

 **CONTENDER SAILCLOTH®**

# hardware 2023 catalogue



# welcome

**Contender Sailcloth Pty Ltd**  
**4A Wilmette Place,**  
**Mona Vale NSW 2103**  
**Australia**

**Tel: +61 (02) 9997 4099**

**Free Call: 1800 252 368**

**Fax: +61 (02) 9997 1292**

**orders@contender.com.au**

**www.contender.com.au**

Contender is a worldwide organisation devoted to supplying sailmakers with the best available fabrics and fittings for all their sailmaking requirements. Sailcloth and the related hardware for the manufacture of sails is our business.

Contender offices are run by sailors who actively participate in the sport at all levels, from one-design to grand prix to cruising. With years of collective experience in supplying and using sailcloth, Contender Sailcloth understands the needs of sailmakers and works with them to provide the best materials for the job.

With our unique understanding of the sailmaking market Contender continually strives to meet the demands of the market with innovative fabrics and fittings using the latest technologies.

The result is a range of fabrics and fittings renowned for its quality and performance.

# product highlights

## Section 1 Battens

Complete presentation of the RBS and Blue Streak Batten range plus products such as batten pocket and related Batten-end fittings. 16mm Rod Battens.

## Section 2 Slides & Cars

A complete presentation of all the slides needed for the Australian market  
Improved Rutgerson Batten Receptacles.

## Section 3 Head & Clew Boards and the Rutgerson "Main Sail" System

Head Boards, Clew Boards, Clew Blocks.

## Section 4 Rings

All sailmakers rings including the Titanium Super Rings by Rutgerson.

## Section 5 Hardware

Cleats, Sail Numbers, hanks, tapes, and our updated Luff Tape application Chart.

## Section 6 Tools

Professional Sailmaking tools including the new Cordless Hotknife.

## Section 7 Miscellaneous

Sewing threads, webbings, zippers and much more. All tried and tested in Australia for Australian sailmakers.

## Section 8 Materials

Complete Presentation on Weathermax, Masacril (Sea Star), Various Mesh's, Films, Bag Cloths and PSA Fabrics.

## Index A-Z

Battens

Slides & Cars

Head/Clew Bds.

Rings

Hardware

Tools

Miscellaneous

Materials

Index A-Z



## Section 1 Battens

BlueStreak Battens inc Special Large Rod Battens . . .	1-14
Rutgerson Roller Battens . . . . .	2
RBS Epoxy Full Battens . . . . .	15 - 28
RBS Carbon Battens . . . . .	28
RBS Untapered Battens . . . . .	28
RBS M-Ply and X-Ply . . . . .	29
RBS Endcaps . . . . .	29 - 31
Batten Luff & Leech Receptacles, Rod Connectors and Endcaps from PNP and Rutgerson. . . . .	32 - 37

## Section 2 Slides & Cars

Rutgerson Slide & Battcar Guide . . . . .	38 - 39
Rutgerson Battcar Application Tester . . . . .	40
Rutgerson Battcars . . . . .	41 - 46
Plastic Shackles & Batten Cars Slides & Slugs from PNP, Rutgerson, and Selden . . . . .	47 - 48
Selden MDS Full Batten Concept . . . . .	49
Rutgerson Clew Slides . . . . .	49
Mainsail Headboard Cars . . . . .	50

## Section 3 Head/Clew Boards

Headboards Alloy & Composite . . . . .	51 - 54
PNP Headboards. . . . .	55
O.D. Clewboards. . . . .	55
Clew Board Adjustable . . . . .	56
Liners . . . . .	57
Rivets, Tools & Accessories . . . . .	58
Clew Blocks . . . . .	58
Reef Blocks. . . . .	59
Low Friction Rings . . . . .	59

## Section 4 Rings

Rutgerson Press Rings & Titanium Super Rings for Carbon Sails . . . . .	60 - 61
SS Round & Maxi Rings . . . . .	62
NP Spur Grommets. . . . .	62
Rutgerson Wire Support Thimble . . . . .	63
Symmetrical Padeyes . . . . .	63
Tools and Accessories . . . . .	63 - 64

## Section 5 Sail Hardware

Cleats . . . . .	65 - 66
Hanks and Chafe Protectors . . . . .	67
Luminous Draft Stripes . . . . .	68
Tapes - Insignia Tapes / Draft Stripes. . . . .	68
Sail Numbers . . . . .	68
Luff Foam . . . . .	68
Repair Tapes. . . . .	68
Dacron & Teflon Tape . . . . .	69
Tape Folder . . . . .	69
Luff Tapes . . . . .	70
Luff Tape Application . . . . .	70
Sailmaker's Leather . . . . .	70



## Section 6

### Tools

Sail Repair Tools . . . . .	71 - 72
Sewing & Cutting Tools . . . . .	71 - 72
Cordless Heat Cutter . . . . .	72

## Section 7

### Miscellaneous

Zwicky / Solbond bonded sewing thread . . . . .	73 - 74
Mara 30 WA threads . . . . .	75 - 76
Dabond threads . . . . .	77
Hand-sewing threads . . . . .	77
Tenara threads . . . . .	78 - 79
Webbings . . . . .	80 - 81
Hook & Loop . . . . .	82
Plastic Track . . . . .	82
Keddar Tape . . . . .	82
Loxx Fastening solutions . . . . .	83
YKK Zippers . . . . .	84
YKK Sliders . . . . .	85
Ropes (Leech, Bolt, Luff, VB, Shockcord) . . . . .	86
Buckles & Ladder Locks . . . . .	87
Plastic Hooks & Fairleads . . . . .	87
Spray Glue & Plastiseam . . . . .	87
Sail & Kite Coating . . . . .	87
Seamstick . . . . .	88
All-Weather Writing Pads . . . . .	88
Head, Tack & Clew stickers . . . . .	88

## Section 8

### Materials

WeatherMax . . . . .	89 - 94
WeatherMax 3D . . . . .	95 - 96
WeatherMax SG . . . . .	97 - 98
WeatherMax 80 Bias Binding, PSA & Soft Touch . . . . .	99
Masacril Acrylic Fabrics . . . . .	100
Black Leno Mesh . . . . .	101
Trampoline Fabrics - Contender Mesh . . . . .	101
Pattern Material . . . . .	101
Polyester Insignia Fabrics . . . . .	101
Window Materials . . . . .	101
UV Insignia . . . . .	102
Superkote with PSA . . . . .	102
Adhesive Backed Materials . . . . .	102
Bag Cloths . . . . .	102

## Index A - Z

Product List in Alphabetical order . . . . .	103 - 106
--	-----------

## Bluestreak® Battens

Since 1970, Permex Products have been continually developing the Bluestreak range of fibreglass battens. Over that period they have worked in close consultation with leading sailmakers the world over to ensure that what they make reflects the latest thinking in design and performance.

The result is a wide range of durable, lightweight battens to suit all classes of yacht from dinghy to maxi and that can perform reliably in all conditions. Battens that help bring out on the water the best of what the sailmaker designs on the computer screen.

## The Bluestreak® Advantage

- >> Developed over 35 years Bluestreak battens are a premium product at an affordable price and represent the ultimate in sail battens.
- >> Bluestreak battens offer the highest glass reinforcement percentage of any F.R.P manufacturing process. The result, maximum stiffness for weight ratio.
- >> The use of the highest quality Vinyl Ester ensures maximum strength and durability for minimum weight.
- >> The Vinyl Ester formulation has no pigment to mask quality control or reduce cure and strength properties.
- >> Optimised profiles to provide a low mass, low profile batten and a logical batten selection solution for sailmakers.

## The Bluestreak® Batten Range

### Ocean Racer / Cruiser Tapered Leech Battens

A range of tapered battens designed with soft tips, starting with the softest OR1 progressing in stiffness to the OR5. These battens are ideal for use as leech battens in mainsails and jibs alike and are ideally suited for all IRC and PHS rules.

### Ocean Racer / Cruiser Tapered Full Thru Battens

A range of tapered battens designed with a drive point of 40%. These battens are intended to be used for full length top battens and throughout fully battened mainsails.

### Dinghy Tapered Leech Battens

A range of 10mm and 15mm tapered battens designed with a soft tip. These battens are ideal for use as leech battens in mainsails and jibs alike for dinghies, keelboats and smaller boats up to 25 feet (8 metres).

### Dinghy Tapered Full Thru Battens

A range of tapered battens designed for the highly competitive dinghy, skiff and catamaran market. With a drive point of 40% these battens are ideal for use in full batten mainsails and jibs alike.

### Untapered Contract Coil

A complete range of 10mm, 15mm, 20mm Ocean Racer 1 to 5, Amazon, 30mm and 40mm profiles that are supplied in 15 metre coils. These are ideal for use as 50% top battens and also in fully battened mainsails as full length thru battens.



## Ocean Racer / Cruiser Tapered Leech Battens 20mm

This Ocean Racer range of tapered leech battens are designed with a soft tip allowing them to be used anywhere in the sail. These leech battens can be used in mainsails and jibs alike. These battens have set an industry standard and are used in all applications from cruising to the Hobart Race.

### Standard Batten Width & Logical Line

The standard batten width of this range allows for standard batten pocket width for ease of production in the loft and minimum stock holding. The degree of batten stiffness varies accordingly to the profile used, ranging from OR1 as the softest up to OR5. Amazon is the new durable maxi full batten with amazing stiffness for weight, some 50% stiffer than OR5.

Batten selection is simplified, just decide on stiffness required e.g. OR1, OR2 etc. Refer to the Application guide opposite for specific recommendations. To maximise ease of use and production of the Ocean Racer Leech battens we would suggest using the standard batten lengths shown on the following pages that are all available ex stock from ourselves.

For the inboard end of these battens either a plain blank end cap or an inner triangle end cap can be fitted. For the outboard end we would recommend the use of the outer triangle end caps. Outer Triangle end caps are a standard width, but are available in various versions depending upon profile selected. These will fit directly onto the outboard end, even if the batten has been cut to length. Please specify end caps when ordering battens.

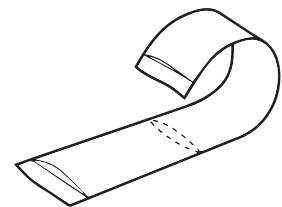
## BlueStreak Batten Selection Guide

Fractional Rigs			Masthead Rigs		
Boat Size	Batten Position	Use	Boat Size	Batten Position	Use
25 Foot	No. 1 Top	WR2	25 Foot	No. 1 Top	WR2
	No. 2 Upper middle	WR2		No. 2 Upper middle	WR2
	No. 3 Lower middle	WR3		No. 3 Lower middle	WR3
	No. 4 Bottom	WR3		No. 4 Bottom	WR3
30 Foot	No. 1 Top	OR1	30 Foot	No. 1 Top	OR1
	No. 2 Upper middle	OR1		No. 2 Upper middle	OR1
	No. 3 Lower middle	OR2		No. 3 Lower middle	OR2
	No. 4 Bottom	OR2		No. 4 Bottom	OR2
35 Foot	No. 1 Top	OR1	35 Foot	No. 1 Top	OR1
	No. 2 Upper middle	OR2		No. 2 Upper middle	OR2
	No. 3 Lower middle	OR2		No. 3 Lower middle	OR3
	No. 4 Bottom	OR3		No. 4 Bottom	OR3
40 Foot	No. 1 Top	OR2	40 Foot	No. 1 Top	OR1
	No. 2 Upper middle	OR2		No. 2 Upper middle	OR2
	No. 3 Lower middle	OR3		No. 3 Lower middle	OR3
	No. 4 Bottom	OR4		No. 4 Bottom	OR4
45 Foot	No. 1 Top	OR2	45 Foot	No. 1 Top	OR1
	No. 2 Upper middle	OR3		No. 2 Upper middle	OR2
	No. 3 Lower middle	OR4		No. 3 Lower middle	OR3
	No. 4 Bottom	OR5		No. 4 Bottom	OR4
50 Foot	No. 1 Top	OR3	50 Foot	No. 1 Top	OR2
	No. 2 Upper middle	OR3		No. 2 Upper middle	OR3
	No. 3 Lower middle	OR4		No. 3 Lower middle	OR4
	No. 4 Bottom	OR5		No. 4 Bottom	OR4

## Rutgerson Roller Battens

Ideal solution for leech battens on self-tacking furling headsails.

Part No	Batten width in mm	Batten Length in mm	Suggested Boat Size
R3141-030	40	300	Up to 32 feet
R3141-040	40	400	Up to 32 feet
R3141-050	40	500	Up to 32 feet
R3151-050	50	500	30-40 feet
R3151-060	50	600	30-40 feet
R3151-070	50	700	30-40 feet
R3171-070	70	700	37 feet and over
R3171-080	70	800	37 feet and over
R 3171-090	70	900	37 feet and over
R 3171-140	70	1400	37 feet and over



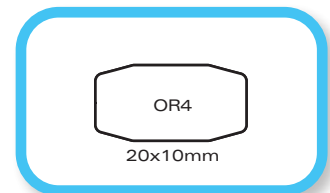
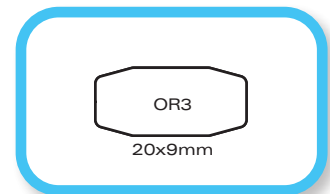
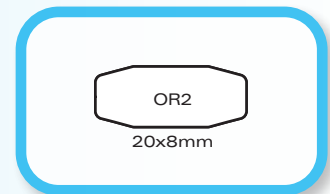
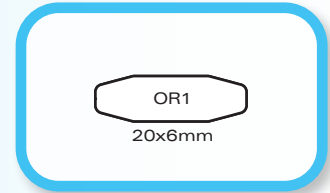


## Bluestreak 20mm Ocean Racer Leech Battens

A range of tapered battens designed with soft tips, starting with the softest OR1 progressing in stiffness to the OR5. These battens are ideal for use as leech battens in mainsails and jibs alike.

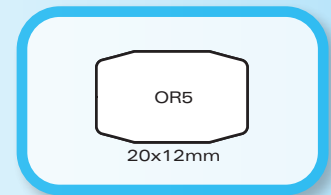
battens

Part No	Description
<b>OR1 Leech Batten</b>	
XS7501	750mm x OR1 Leech Batten
XS9001	900mm x OR1 Leech Batten
XS10501	1050mm x OR1 Leech Batten
XS12001	1200mm x OR1 Leech Batten
XS15001	1500mm x OR1 Leech Batten
XS18001	1800mm x OR1 Leech Batten
XS21001	2100mm x OR1 Leech Batten
<b>End Caps for OR1</b>	
XT20B	20mm Inner Blank for OR1/2/3/4/5
XT20TI	20mm Inner Triangle for OR1/2/3/4/5
XT20TO	20mm Outer Triangle for OR1
<b>OR2 Leech Batten</b>	
XS9002	900mm x OR2 Leech Batten
XS10502	1050mm x OR2 Leech Batten
XS12002	1200mm x OR2 Leech Batten
XS15002	1500mm x OR2 Leech Batten
XS18002	1800mm x OR2 Leech Batten
XS21002	2100mm x OR2 Leech Batten
XS24002	2400mm x OR2 Leech Batten
XS27002	2700mm x OR2 Leech Batten
<b>End Caps for OR2</b>	
XT20B	20mm Inner Blank for OR1/2/3/4/5
XT20TI	20mm Inner Triangle for OR1/2/3/4/5
XT20OR2AND3	20mm Outer Triangle for OR2/3
<b>OR3 Leech Batten</b>	
XS10503	1050mm x OR3 Leech Batten
XS12003	1200mm x OR3 Leech Batten
XS15003	1500mm x OR3 Leech Batten
XS18003	1800mm x OR3 Leech Batten
XS21003	2100mm x OR3 Leech Batten
XS24003	2400mm x OR3 Leech Batten
XS27003	2700mm x OR3 Leech Batten
XS30003	3000mm x OR3 Leech Batten
XS33003	3300mm x OR3 Leech Batten
XS36003	3600mm x OR3 Leech Batten
<b>End Caps for OR3</b>	
XT20B	20mm Inner Blank for OR1/2/3/4/5
XT20TI	20mm Inner Triangle for OR1/2/3/4/5
XT20OR2AND3	20mm Outer Triangle for OR2/3
<b>OR4 Leech Batten</b>	
XS12004	1200mm x OR4 Leech Batten
XS15004	1500mm x OR4 Leech Batten
XS18004	1800mm x OR4 Leech Batten
XS21004	2100mm x OR4 Leech Batten
XS24004	2400mm x OR4 Leech Batten
XS27004	2700mm x OR4 Leech Batten
XS30004	3000mm x OR4 Leech Batten
<b>End Caps for OR4</b>	
XT20B	20mm Inner Blank for OR1/2/3/4/5
XT20TI	20mm Inner Triangle for OR1/2/3/4/5
XT20OR4	20mm Outer Triangle for OR4



## Bluestreak 20mm Ocean Racer Leech Battens (continued)

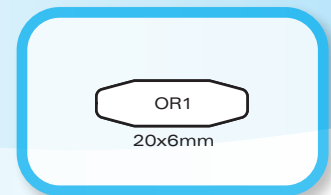
Part No	Description
<b>OR5 Leech Batten</b>	
XS15005	1500mm x OR5 Leech Batten
XS18005	1800mm x OR5 Leech Batten
XS21005	2100mm x OR5 Leech Batten
XS24005	2400mm x OR5 Leech Batten
XS27005	2700mm x OR5 Leech Batten
XS30005	3000mm x OR5 Leech Batten
XS33005	3300mm x OR5 Leech Batten
<b>End Caps for OR5</b>	
XT20B	20mm Inner Blank for OR1/2/3/4/5
XT20TI	20mm Inner Triangle for OR1/2/3/4/5
XT20OR5	20mm Outer Triangle for OR5



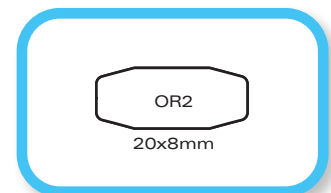
## Bluestreak Ocean Racer/Cruiser Tapered Full Thru Battens 20mm

Mainsail and Headsail full length pre-tapered battens suitable for Monohulls and Multihulls up to 60'. Made from durable vinylester tapered in profiles OR1-5. Standard taper is 40%.

Part No	Description
<b>OR1 Full Thru Batten</b>	
XST9001	900mm x OR1 Full Length Batten
XST10501	1050mm x OR1 Full Length Batten
XST12001	1200mm x OR1 Full Length Batten
XST15001	1500mm x OR1 Full Length Batten
XST18001	1800mm x OR1 Full Length Batten
XST21001	2100mm x OR1 Full Length Batten
XST24001	2400mm x OR1 Full Length Batten
XST27001	2700mm x OR1 Full Length Batten
XST30001	3000mm x OR1 Full Length Batten
XST33001	3300mm x OR1 Full Length Batten
XST36001	3600mm x OR1 Full Length Batten
XST39001	3900mm x OR1 Full Length Batten
<b>End Caps for OR1</b>	
XT20B	20mm Inner Blank for OR1/2/3/4/5
XT20TI	20mm Inner Triangle for OR1/2/3/4/5
XT20TO	20mm Outer Triangle for OR1



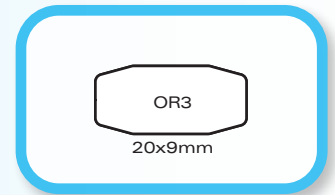
Part No	Description
<b>OR2 Full Thru Batten</b>	
XST12002	1200mm x OR2 Full Length Batten
XST15002	1500mm x OR2 Full Length Batten
XST18002	1800mm x OR2 Full Length Batten
XST21002	2100mm x OR2 Full Length Batten
XST24002	2400mm x OR2 Full Length Batten
XST27002	2700mm x OR2 Full Length Batten
XST30002	3000mm x OR2 Full Length Batten
XST33002	3300mm x OR2 Full Length Batten
XST36002	3600mm x OR2 Full Length Batten
XST39002	3900mm x OR2 Full Length Batten
XST42002	4200mm x OR2 Full Length Batten
XST50002	5000mm x OR2 Full Length Batten
<b>End Caps for OR2</b>	
XT20B	20mm Inner Blank for OR1/2/3/4/5
XT20TI	20mm Inner Triangle for OR1/2/3/4/5
XT20OR2AND3	20mm Outer Triangle for OR2/3



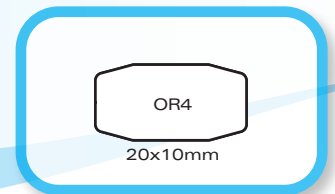
## Bluestreak Ocean Racer/Cruiser Tapered Full Thru Battens 20mm (continued)

battens

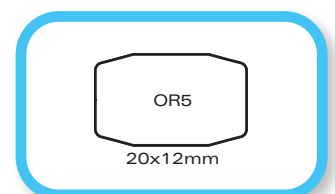
Part No	Description
<b>OR3 Full Thru Batten</b>	
XST15003	1500mm x OR3 Full Length Batten
XST18003	1800mm x OR3 Full Length Batten
XST21003	2100mm x OR3 Full Length Batten
XST24003	2400mm x OR3 Full Length Batten
XST27003	2700mm x OR3 Full Length Batten
XST30003	3000mm x OR3 Full Length Batten
XST33003	3300mm x OR3 Full Length Batten
XST36003	3600mm x OR3 Full Length Batten
XST39003	3900mm x OR3 Full Length Batten
XST42003	4200mm x OR3 Full Length Batten
XST45003	4500mm x OR3 Full Length Batten
XST50003	5000mm x OR3 Full Length Batten
XST55003	5500mm x OR3 Full Length Batten
<b>End Caps for OR3</b>	
XT20B	20mm Inner Blank for OR1/2/3/4/5
XT20TI	20mm Inner Triangle for OR1/2/3/4/5
XT20OR2AND3	20mm Outer Triangle for OR2/3



<b>OR4 Full Thru Batten</b>	
XST21004	2100mm x OR4 Full Length Batten
XST24004	2400mm x OR4 Full Length Batten
XST27004	2700mm x OR4 Full Length Batten
XST30004	3000mm x OR4 Full Length Batten
XST33004	3300mm x OR4 Full Length Batten
XST36004	3600mm x OR4 Full Length Batten
XST39004	3900mm x OR4 Full Length Batten
XST42004	4200mm x OR4 Full Length Batten
XST45004	4500mm x OR4 Full Length Batten
XST50004	5000mm x OR4 Full Length Batten
XST55004	5500mm x OR4 Full Length Batten
XST60004	6000mm x OR4 Full Length Batten
<b>End Caps for OR4</b>	
XT20B	20mm Inner Blank for OR1/2/3/4/5
XT20TI	20mm Inner Triangle for OR1/2/3/4/5
XT20OR4	20mm Outer Triangle for OR4



<b>OR5 Full Thru Batten</b>	
XST21005	2100mm x OR5 Full Length Batten
XST24005	2400mm x OR5 Full Length Batten
XST27005	2700mm x OR5 Full Length Batten
XST30005	3000mm x OR5 Full Length Batten
XST33005	3300mm x OR5 Full Length Batten
XST36005	3600mm x OR5 Full Length Batten
XST39005	3900mm x OR5 Full Length Batten
XST42005	4200mm x OR5 Full Length Batten
XST45005	4500mm x OR5 Full Length Batten
XST50005	5000mm x OR5 Full Length Batten
XST55005	5500mm x OR5 Full Length Batten
XST60005	6000mm x OR5 Full Length Batten
<b>End Caps for OR5</b>	
XT20B	20mm Inner Blank for OR1/2/3/4/5
XT20TI	20mm Inner Triangle for OR1/2/3/4/5
XT20OR5	20mm Outer Triangle for OR5





## Bluestreak 10mm Dinghy Leech Battens

The 10mm batten lengths have been selected for maximum ease of use. When fitted with our standard 10mm Inner Crescent XT10C and a 10mm Tie In Outer XT10T, the finished batten length will suit the majority of class rules without the need for cutting.

The endcaps when used together add 15mm / 0.6" to the overall batten length. Please use the guide below to help select the correct batten length for your needs. The finished lengths shown represent the standard batten fitted with a 10mm Crescent Inner and 10mm Tie In Outer end caps.

## Bluestreak 10mm Light Dinghy Leech Battens

A range of 10mm wide tapered leech battens with a soft tip. Ideal for all dinghy applications.

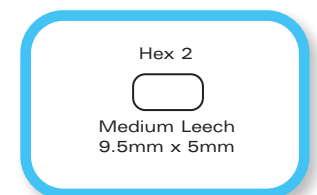
Part No	Description
XL450L	450mm x 10mm Light Dinghy Leech Batten
XL600L	600mm x 10mm Light Dinghy Leech Batten
XL750L	750mm x 10mm Light Dinghy Leech Batten
XL900L	900mm x 10mm Light Dinghy Leech Batten
XL1050L	1050mm x 10mm Light Dinghy Leech Batten
XL1200L	1200mm x 10mm Light Dinghy Leech Batten
XL1500L	1500mm x 10mm Light Dinghy Leech Batten
XL1800L	1800mm x 10mm Light Dinghy Leech Batten
<b>End Caps for 10mm Light Dinghy Leech Battens</b>	
XT10C	10mm Inner Crescent (T10C) - Inboard end
XT10T	10mm Outer Tie In (T10T) - Outboard end



## Bluestreak 10mm Dinghy Medium Leech Battens

A range of 10mm wide tapered leech battens with a soft tip. Ideal for all dinghy applications.

Part No	Description
XL450M	450mm x 10mm Medium Dinghy Leech Batten
XL600M	600mm x 10mm Medium Dinghy Leech Batten
XL750M	750mm x 10mm Medium Dinghy Leech Batten
XL900M	900mm x 10mm Medium Dinghy Leech Batten
XL1050M	1050mm x 10mm Medium Dinghy Leech Batten
XL1200M	1200mm x 10mm Medium Dinghy Leech Batten
XL1500M	1500mm x 10mm Medium Dinghy Leech Batten
XL1800M	1800mm x 10mm Medium Dinghy Leech Batten
<b>End Caps for 10mm Medium Dinghy Leech Battens</b>	
XT10C	10mm Inner Crescent (T10C) - Inboard end
XT10T	10mm Outer Tie In (T10T) - Outboard end



### Bluestreak 15mm Stiff Dinghy Leech Battens

A range of 15mm tapered leech battens designed with a soft tip. These battens are ideal for use as leech battens in keelboats and smaller boats up to 30 feet (9 metres).

Part No	Description
XL600S	600mm x 15mm Stiff Dinghy Leech Batten
XL750S	750mm x 15mm Stiff Dinghy Leech Batten
XL900S	900mm x 15mm Stiff Dinghy Leech Batten
XL1050S	1050mm x 15mm Stiff Dinghy Leech Batten
XL1200S	1200mm x 15mm Stiff Dinghy Leech Batten
XL1500S	1500mm x 15mm Stiff Dinghy Leech Batten
XL1800S	1800mm x 15mm Stiff Dinghy Leech Batten
XL2100S	2100mm x 15mm Stiff Dinghy Leech Batten
XL2400S	2400mm x 15mm Stiff Dinghy Leech Batten



#### End Caps for 15mm Stiff Dinghy Leech Battens

XT15B	15mm Inner Blank for WR1/2/3
XT15W	15mm Outer Slotted for WR1/2/3 - Outboard End
XT15TT	15mm Outer Triangle for WR1/2/3 - Outboard End

### Bluestreak 15mm X-Stiff Dinghy Leech Battens

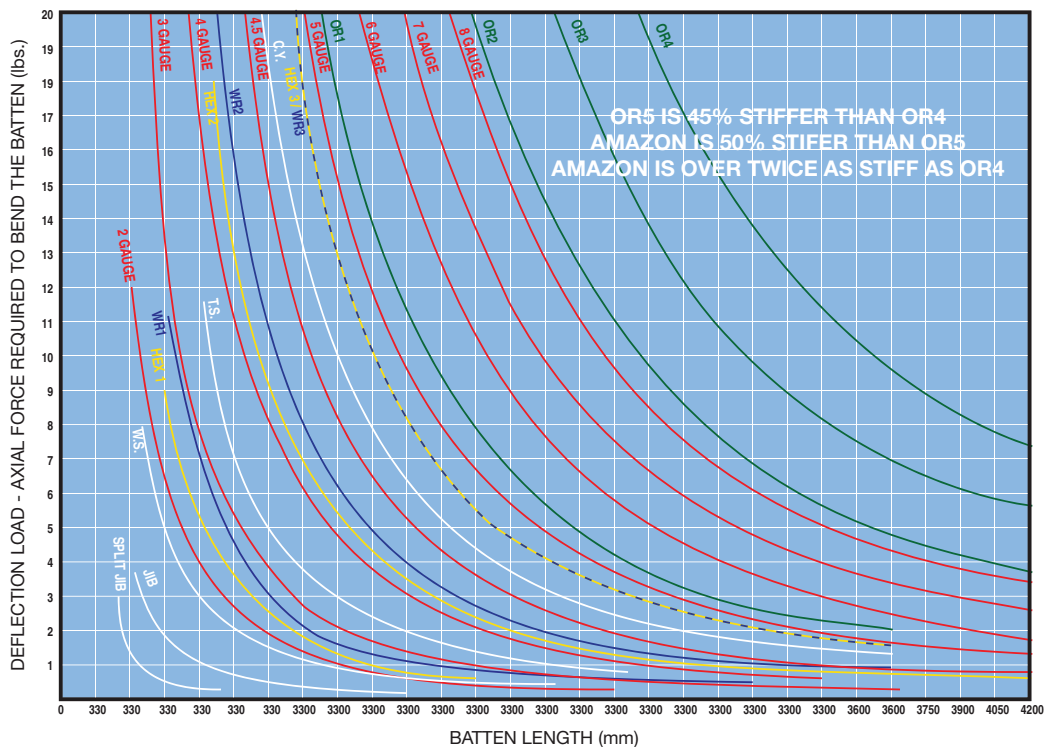
XL750X	750mm x 15mm X-Stiff Dinghy Leech Batten
XL900X	900mm x 15mm X-Stiff Dinghy Leech Batten
XL1050X	1050mm x 15mm X-Stiff Dinghy Leech Batten
XL1200X	1200mm x 15mm X-Stiff Dinghy Leech Batten
XL1500X	1500mm x 15mm X-Stiff Dinghy Leech Batten
XL1800X	1800mm x 15mm X-Stiff Dinghy Leech Batten



#### End Caps for 15mm X-Stiff Dinghy Leech Battens

XT15B	15mm Inner Blank for WR1/2/3
XT15W	15mm Outer Slotted for WR1/2/3 - Outboard End
XT15TT	15mm Outer Triangle for WR1/2/3 - Outboard End

Batten Flexibility Chart



## Bluestreak 10mm Dinghy Tapered Full Thru Battens

A range of tapered battens designed for the highly competitive dinghy, skiff and catamaran market. With a drive point of 40% these battens are ideal for use in fully battened mainsails and jibs alike. Each batten is individually designed to minimise weight aloft and maximise performance afloat.

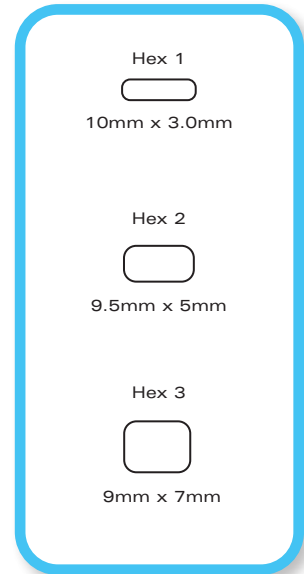
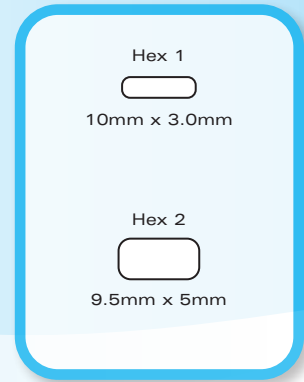
Each range of battens e.g. Light, Medium, Stiff & X-Stiff is based around a specific maximum deflection load; this load will remain constant throughout that range. This represents the load required to deflect the batten to the point where an increase in the batten's curvature requires no increase in the load applied. The stiffness of each range is pre determined and batten selection should be made on the basis of stiffness required. The average deflection loads for each range are shown below.

Light batten range deflection load . . . . . 1.00 lbs  
 Medium batten range deflection load. . . . . 2.25 lbs  
 Stiff batten range deflection load. . . . . 3.25 lbs  
 X-Stiff batten range deflection load . . . . . 5.50 lbs

Over time Gauge 5,6 and 7 profiles as used in the Stiff and X-Stiff Dinghy Full range will be replaced by 10mm and 12.5mm VE Rod. This change will ensure similar style profiles from top to bottom helping aesthetics and simplify production.

Part No	Description
<b>10mm Light Full Dinghy Battens</b>	
XDF600L	600mm x 10mm Light Full Dinghy Batten (Hex 1)
XDF750L	750mm x 10mm Light Full Dinghy Batten (Hex 1)
XDF900L	900mm x 10mm Light Full Dinghy Batten (Hex 1)
XDF1050L	1050mm x 10mm Light Full Dinghy Batten (Hex 2)
XDF1200L	1200mm x 10mm Light Full Dinghy Batten (Hex 2)
XDF1500L	1500mm x 10mm Light Full Dinghy Batten (Hex 2)
XDF1800L	1800mm x 10mm Light Full Dinghy Batten (Hex 2)
XDF2100L	2100mm x 10mm Light Full Dinghy Batten (Hex 2)
XDF2400L	2400mm x 10mm Light Full Dinghy Batten (Hex 2)
<b>End Caps for 10mm Light Full Thru Dinghy Battens</b>	
XT1OB	10mm Inner Rod/Hex Blank for Inboard End
XT1OS	10mm Outer Rod/Hex Slotted (T10S) for Outboard End
XT1OM	10mm Outer Multilock for Hex1/2/3 for Outboard End

<b>10mm Medium Full Dinghy Battens</b>	
XDF600M	600mm x 10mm Medium Full Dinghy Batten (Hex 1)
XDF750M	750mm x 10mm Medium Full Dinghy Batten (Hex 1)
XDF900M	900mm x 10mm Medium Full Dinghy Batten (Hex 2)
XDF1050M	1050mm x 10mm Medium Full Dinghy Batten (Hex 2)
XDF1200M	1200mm x 10mm Medium Full Dinghy Batten (Hex 2)
XDF1500M	1500mm x 10mm Medium Full Dinghy Batten (Hex 2)
XDF1800M	1800mm x 10mm Medium Full Dinghy Batten (Hex 3)
XDF2100M	2100mm x 10mm Medium Full Dinghy Batten (Hex 3)
XDF2400M	2400mm x 10mm Medium Full Dinghy Batten (Hex 3)
XDF2700M	2700mm x 10mm Medium Full Dinghy Batten (Hex 3)
<b>End Caps for 10mm Medium Full Thru Dinghy Battens</b>	
XT1OB	10mm Inner Rod/Hex Blank for Inboard End
XT1OS	10mm Outer Rod/Hex Slotted (T10S) for Outboard End
XT1OM	10mm Outer Multilock for Hex1/2/3 for Outboard End



Battens

Slides & Cars

Head/Clew Bds.

Rings

Hardware

Tools

Miscellaneous

Materials

Index A-Z

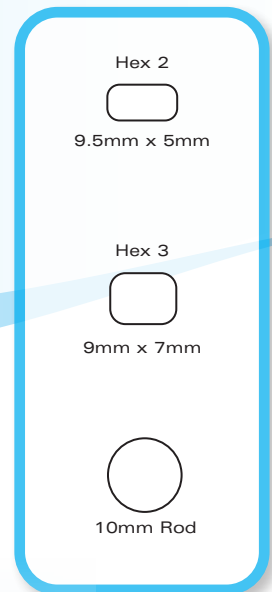
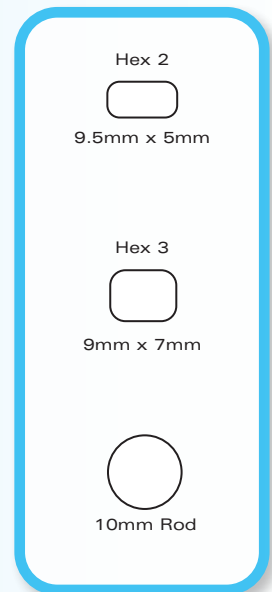


## Bluestreak 10mm Dinghy Tapered Full Thru Battens (continued)

battens

Part No.	Description
<b>10mm Stiff Full Dinghy Battens</b>	
XDF600S	600mm x 10mm Stiff Full Dinghy Batten (Hex 2)
XDF900S	900mm x 10mm Stiff Full Dinghy Batten (Hex 2)
XDF1050S	1050mm x 10mm Stiff Full Dinghy Batten (Hex 2)
XDF1200S	1200mm x 10mm Stiff Full Dinghy Batten (Hex 2)
XDF1500S	1500mm x 10mm Stiff Full Dinghy Batten (Hex 3)
XDF1800S	1800mm x 10mm Stiff Full Dinghy Batten (Hex 3)
XDF2100S	2100mm x 10mm Stiff Full Dinghy Batten (Hex 3)
XDF2400S	2400mm Stiff Full Dinghy Batten (VE Rod 10mm)
XDF2700S	2700mm Stiff Full Dinghy Batten (VE Rod 10mm)
XDF3000S	3000mm Stiff Full Dinghy Batten (VE Rod 10mm)
<b>End Caps for 10mm Stiff Full Thru Dinghy Battens</b>	
XT10B	10mm Inner Rod/Hex Blank for Inboard End
XT10S	10mm Outer Rod/Hex Slotted for Outboard End
XT10M	10mm Outer Multilock for Hex1/2/3 & Rod 10mm for Outboard End

Part No.	Description
<b>10mm X-Stiff Full Dinghy Battens</b>	
XDF1050X	1050mm x 10mm X-Stiff Full Dinghy Batten (Hex 2)
XDF1200X	1200mm x 10mm X-Stiff Full Dinghy Batten (Hex 3)
XDF1500X	1500mm x 10mm X-Stiff Full Dinghy Batten (Hex 3)
XDF1800X	1800mm X-Stiff Full Dinghy Batten (VE Rod 10mm)
XDF2100X	2100mm X-Stiff Full Dinghy Batten (VE Rod 10mm)
XDF2400X	2400mm X-Stiff Full Dinghy Batten (VE Rod 10mm)
XDF2700X	2700 mm X-Stiff Full Dinghy Batten (VE Rod 10mm)
XDF3000X	3000mm X-Stiff Full Dinghy Batten (VE Rod 10mm)
XDF3300X	3300mm X-Stiff Full Dinghy Batten (VE Rod 10mm)
<b>End Caps for 10mm Stiff Full Thru Dinghy Battens</b>	
XT10B	10mm Inner Rod/Hex Blank for Inboard End
XT10S	10mm Outer Rod/Hex Slotted to suit Gauge profile for Outboard End
XT10M	10mm Outer Multilock for Hex1/2/3 & Rod 10mm for Outboard End



Stewart 34 using Contender ZLB04 (Cable Less) Code Zero.  
Photo credit Live Sail Die // Suellen Hurling

## Bluestreak Permex Battens Wave Rider Full Taper

Full Taper WR2 & 3 is a popular choice when used in combination with Dinghy Leech Stiff and X-Stiff (WR2 & 3). Some Sailmakers may use it also in a complete set of Full Tapered Battens.

Part No	Description
XTWR20900	Wave Rider 2 Thru 0900
XTWR21200	Wave Rider 2 Thru 1200
XTWR21500	Wave Rider 2 Thru 1500
XTWR21800	Wave Rider 2 Thru 1800
XTWR22100	Wave Rider 2 Thru 2100
XTWR22400	Wave Rider 2 Thru 2400
XTWR22700	Wave Rider 2 Thru 2700
XTWR23000	Wave Rider 2 Thru 3000
XTWR30900	Wave Rider 3 Thru 0900
XTWR31200	Wave Rider 3 Thru 1200
XTWR31500	Wave Rider 3 Thru 1500
XTWR31800	Wave Rider 3 Thru 1800
XTWR32100	Wave Rider 3 Thru 2100
XTWR32400	Wave Rider 3 Thru 2400
XTWR32700	Wave Rider 3 Thru 2700
XTWR33000	Wave Rider 3 Thru 3000
XTWR33300	Wave Rider 3 Thru 3300

### End caps for WR 2 & 3 Full Taper:

XT15B	15mm Inner Blank for inboard end
XT15W	15mm Outer Slotted for outboard end
XT15TT	15mm Outer Triangle Tie In for outboard end



Radial Laser Sail using  
Contender Fibercon 4oz Laser



- Battens
- Slides & Cars
- Head/Clew Bds.
- Rings
- Hardware
- Tools
- Miscellaneous
- Materials
- SealnGlide
- Index A-Z

## Bluestreak Untapered Profiles

Part No	Description	Cross Section	Dimensions	Stock Length	Construction	Weight per Linear Metre
XLSJIB	Untapered Split Jib		6 x 1.5mm	2.5 mtrs	Vinyl Ester	25g
XLJIB	Untapered Jib		15 x 1.5mm	2.5 mtrs	Vinyl Ester	45g
XCJIB	Untapered Jib		15 x 1.5mm	15 mtrs	Vinyl Ester	45g
XLHEX1	Untapered Hex 1		10 x 3.0mm	3.6 mtrs	Vinyl Ester	49g
XCHEX1	Untapered Hex 1		10 x 3.0mm	15 mtrs	Vinyl Ester	49g
XLHEX2	Untapered Hex 2		9.5 x 5.0mm	3.6 mtrs	Vinyl Ester	81g
XCHEX2	Untapered Hex 2		9.5 x 5.0mm	15 mtrs	Vinyl Ester	81g
XLHEX3	Untapered Hex 3		9 x 7.0mm	3.6 mtrs	Vinyl Ester	101g
XCHEX3	Untapered Hex 3		9 x 7.0mm	15 mtrs	Vinyl Ester	101g
XLWS	Untapered Wind Surf		20 x 2.0mm	3.6 mtrs	Vinyl Ester	74g
XCWS	Untapered Wind Surf		20 x 2.0mm	15 mtrs	Vinyl Ester	74g
XLWR1	Untapered WR1		15 x 3.3mm	3.6 mtrs	Vinyl Ester	76g
XCWR1	Untapered WR1		15 x 3.3mm	15 mtrs	Vinyl Ester	76g
XLWR2	Untapered WR2		15 x 4.8mm	3.6 mtrs	Vinyl Ester	116g
XCWR2	Untapered WR2		15 x 4.8mm	15 mtrs	Vinyl Ester	116g
XLWR3	Untapered WR3		15 x 6.5mm	3.6 mtrs	Vinyl Ester	130g
XCWR3	Untapered WR3		15 x 6.5mm	15 mtrs	Vinyl Ester	130g
XLTS	Untapered Trailer Sailer 30mm		30 x 3.0mm	3.6 mtrs	Polyester	150g
XCTS	Untapered Trailer Sailer 30mm		30 x 3.0mm	15 mtrs	Polyester	150g
XLCY	Untapered Cruising Yacht 40mm		40 x 4.0mm	3.6 mtrs	Polyester	283g
XCCY	Untapered Cruising Yacht 40mm		40 x 4.0mm	15 mtrs	Polyester	283g



## Bluestreak Contract & Untapered Profiles (continued)

Part No	Description	Cross Section	Dimensions	Stock Length	Construction	Weight per Linear Metre
XCOR1	Untapered OR1		20 x 6.0mm	15 mtrs	Vinyl Ester	203g
XCOR2	Untapered OR2		20 x 8.0mm	15 mtrs	Vinyl Ester	269g
XCOR3	Untapered OR3		20 x 9.0mm	15 mtrs	Vinyl Ester	315g
XCOR4	Untapered OR4		20 x 10.0mm	15 mtrs	Vinyl Ester	360g
XCOR5	Untapered OR5		20 x 12.0mm	15 mtrs	Vinyl Ester	400g
XCAMZ	Untapered Amazon		28 x 13.0mm	15 mtrs	Vinyl Ester	582g
XLG4.5	Untapered Gauge 4.5		15 x 8.2mm	3.6 mtrs	Vinyl Ester	96g
XLG7	Untapered Gauge 7		20 x 12.8mm	3.6 mtrs	Vinyl Ester	150g
XLROD6.25VE			6.25mm	7.5 mtrs	Vinyl Ester	62g
XLROD7.2VE			7.2mm	7.5 mtrs	Vinyl Ester	75g
XLROD8VE			8.0mm	7.5 mtrs	Vinyl Ester	89g
XLROD9VE			9.0mm	7.5 mtrs	Vinyl Ester	128g
XLROD10VE			10.0mm	7.5 mtrs	Vinyl Ester	146g
XLROD12.5VE			12.5mm	7.5 mtrs	Vinyl Ester	232g
XLROD14.3VE			14.3mm	7.5 mtrs	Vinyl Ester	285g
XLROD 16VE			16.0mm	6 mtrs	Vinyl Ester	405g

18' Skiff In San Francisco  
using MK100

Battens

Slides & Cars

Head/Clew Bds.

Rings

Hardware

Tools

Miscellaneous

Materials

Index A-Z



Bluestreak Batten Endcaps

Part No	Description
XT10HB	10mm Inner Blank for Hex 1/2/3
XT15B	15mm Inner Blank for WR1/2/3
XT20B	20mm Inner Blank for OR1/2/3/4/5
XT15V	15mm Outer V-Lock for WR1/2/3
XT20V	20mm Outer V-Lock for Cruciform
XT15TT	15mm Outer Triangle Tie In
XT20TI	20mm Inner Triangle for OR1/2/3/4/5
XT20OR1	20mm Outer Triangle for OR1
XT20OR2AND3	20mm Outer Triangle for OR2/3
XT20OR4	20mm Outer Triangle for OR4
XT20OR5	20mm Outer Triangle for OR5
XT10C	10mm Inner Crescent
XT10T	10mm Outer Tie In



**Bluestreak Batten Endcaps (continued)**

Part No	Description
XT10B	10mm Inner Rod/Hex Blank
XT10S	10mm Outer Rod/Hex Slotted
XT10M	10mm Outer Multilock for Hex1/2/3
XTAMZ	28mm Inner/Outer for Amazon
XT15W	15mm Outer Slotted for WR1/2/3
XT20M	20mm Outer Multilock for Cruciform
XTPVC20	20mm Blue PVC Endcaps
XTPVC30	30mm Blue PVC Endcaps
XTPVC40	40mm Blue PVC Endcaps
HPNP 369	6mm Rod Batten EndCap
HPNP 370	8mm Rod Batten EndCap
HPNP 371	10mm Rod Batten EndCap
HPNP 372	12mm Rod Batten EndCap
HPNP 373	14mm Rod Batten EndCap
HPNP 374	16mm Rod Batten EndCap



Battens

Slides & Cars

Head/Clew Bds.

Rings

Hardware

Tools

Miscellaneous

Materials

Index A-Z

CAN YOUR BATTENS DO THIS... →

Ours can.

**Battens**

RBS / RBS Carbon / Bluestreak

#### Battens in General

Often overlooked and treated as an afterthought, but make no mistake battens do make a difference to both the performance and durability of your sails. At Contender we are pleased to be working with both **RBS** and **Bluestreak**, two of the worlds leading batten manufacturers, to bring you the most comprehensive range of battens available. From contract cruising, one design, cruiser racer to grand prix racing we have a solution.

**Bluestreak** battens are a range of vinyl ester battens. Leading the field in this style of batten, they are an inexpensive solution offering excellent performance and durability. **RBS** have established themselves at the top of the market with established themselves at the top of the market with their range of specially formulated epoxy and carbon battens. These battens offer ultimate performance and durability whilst still being cost effective.

#### Ease of Production

Both the **RBS** and **Bluestreak** ranges are based around the same batten widths. This provides maximum flexibility in batten selection and of course the ability to upgrade without batten pocket issues. Both ranges have been chosen to compliment each other. To further maximise ease of use and production both ranges have common batten lengths. This combination of common batten widths and lengths allows the use of standardised batten pockets in the loft for maximum production efficiency and flexibility.

#### Ease of Selection

The **Bluestreak** range of battens has always been renowned for its simple logic. For example with the Ocean Racer series the stiffness of each batten increases from the softest OR1 to OR2 to OR3 to OR4 and finally the Stiffest OR5. The **RBS** range follows the same logic within its own range. We have simplified this further by including an "equivalents table" to aid in **RBS** batten selection. But in principle if you were previously using an OR1 batten, simply upgrade to an RBS1 batten. This pattern follows through from RBS1 to RBS2 to RBS3 to RBS4 and finally RBS5.

#### Ease of Choice

Quite simply **Bluestreak** battens are an inexpensive solution offering excellent performance and durability. For maximum performance and durability at a cost effective price upgrade to an **RBS** equivalent. For the ultimate in performance then upgrade to the equivalent **RBS** carbon solution.

## Bluestreak Equivalent RBS Epoxy and Carbon Sections

Having upgraded to an **RBS** batten then consider the ultimate upgrade of a carbon batten. Here is a guide to help simplify your batten comparison when moving from **Bluestreak** to an **RBS** epoxy batten to an **RBS** carbon batten.

We will make to order any special batten or batten sets you require. You choose the length, stiffness, taper, material, profile, end caps, even the printing on each batten! No minimum quantities. 10 to 14 day delivery.

Permex BlueStreak	RBS Epoxy	Beam	Spring Rate	RBS Carbon	Beam	Spring Rate
HEX 1	E10100	0.9	0.26	-		
HEX 1	E10120	1.2	0.33	-		
WR 1	E10140	1.7	0.46	-		
WR 1	E10160	2.3	0.62	CB10100		
HEX 2	E10180	3.1	0.86	CB10120	2.85	0.78
HEX3 & WR 3	E10200	4.3	1.18	CB10150	5.63	1.54
HEX 3 & WR 3	E10230	6.8	1.85	CB10150	5.63	1.54
HEX 3 & WR 3	E10265	9.7	2.65	CB10200	12.23	3.35
WR 2	E15140	2.1	0.57	-		
WR 2	E15160	3.5	0.94	CB10120	2.85	0.78
WR 3	E15180	4.8	1.31	CB10150	5.63	1.54
OR 1	E15230	9.7	2.67	CB10150	5.63	1.54
OR 1	E15265	14.7	4.03	CB15200	19.84	5.43
OR 2	E15300	21.1	5.79	CB15200	19.84	5.43
OR 1	E19200	8.4	2.31	-		
OR 1	E19230	11.4	3.13	CB15200	19.84	5.43
				CB15250	35.78	9.8
				CB15300	54.4	14.9
OR 2	E19265	17.9	4.9	CB19200	25.12	6.88
OR 2	E19300	26	7.12	CB19200	25.12	6.88
OR 3	E19350	41.9	11.48	CB19250	42.49	11.64
OR 4	E19400	60.3	16.53	CB19300	79.35	21.74
OR 4	E25350	54.9	15.04	CB25250	56.07	15.36
OR 5	E25400	79.4	21.74	CB25300	98.65	27.03
AMAZON	E25500	152.1	41.67	CB25350	158.01	43.29
AMAZON	E38540	285.1	78.12	CB38400	384.21	105.26

For an explanation on Beam and Spring Rate go to : <https://www.rsbattens.com/sail-makers-tools/deflection-charts/>

**RBS Batten Selection Guide**

The basis of the **RBS** range is their unique epoxy matrix. This has allowed **RBS** to combine maximum strength for weight with exceptionally soft batten tips in their leech battens, whilst also increasing durability. **RBS** cater for the ultimate upgrade for grand prix applications with their carbon battens. By combining their unique epoxy resin matrix with aircraft grade high modulus carbon fibre, these battens offer the very best in performance and durability.

Upgrading to an **RBS** batten has the advantage of reducing weight aloft with increased durability. The range of **RBS** battens we are offering are designed to compliment the highly successful **Bluestreak** range. Below is an guide to help simplify your batten comparisons and aid batten selection.

Fractional Rigs			Masthead Rigs		
Boat Size	Batten Position	Use	Boat Size	Batten Position	Use
25 Foot	No. 1 Top	E19230	25 Foot	No. 1 Top	E15230
	No. 2 Upper middle	E19230		No. 2 Upper middle	E15230
	No. 3 Lower middle	E19265		No. 3 Lower middle	E15265
	No. 4 Bottom	E19265		No. 4 Bottom	E15265
30 Foot	No. 1 Top	E19230	30 Foot	No. 1 Top	E19230
	No. 2 Upper middle	E19230		No. 2 Upper middle	E19230
	No. 3 Lower middle	E19265		No. 3 Lower middle	E19265
	No. 4 Bottom	E19265		No. 4 Bottom	E19265
35 Foot	No. 1 Top	E19230	35 Foot	No. 1 Top	E19230
	No. 2 Upper middle	E19265		No. 2 Upper middle	E19265
	No. 3 Lower middle	E19300		No. 3 Lower middle	E19300
	No. 4 Bottom	E19300		No. 4 Bottom	E19300
40 Foot	No. 1 Top	E19265	40 Foot	No. 1 Top	E19230
	No. 2 Upper middle	E19265		No. 2 Upper middle	E19265
	No. 3 Lower middle	E19300		No. 3 Lower middle	E19300
	No. 4 Bottom	E19350		No. 4 Bottom	E19350
45 Foot	No. 1 Top	E19265	45 Foot	No. 1 Top	E19230
	No. 2 Upper middle	E19300		No. 2 Upper middle	E19265
	No. 3 Lower middle	E19350		No. 3 Lower middle	E19300
	No. 4 Bottom	E19400		No. 4 Bottom	E19350
50 Foot	No. 1 Top	E19265	50 Foot	No. 1 Top	E19265
	No. 2 Upper middle	E19300		No. 2 Upper middle	E19300
	No. 3 Lower middle	E19400		No. 3 Lower middle	E19350
	No. 4 Bottom	E19400		No. 4 Bottom	E19350

**Batten Codes**

E15300 E (E-Glass) 15 (width in mm) .300 (thickness in inches)

CB15300 CB (Carbon Bar) 15 (width in mm) .300 (thickness in inches)

An example of an order code may look like this: E19230/100F (E-19-230 / 100-F)

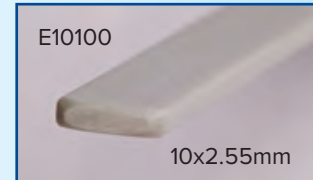
- 1 The code will always start off with either an E or a CB which stands for either E-Glass or Carbon Bar.
- 2 The next 2 numbers represent the width of the batten in millimeters (10mm, 15mm, 19mm, etc).
- 3 The 3 following numbers will always stand for the thickness in inches (.160", .230", .350", etc).
- 4 The next measurement needed is order length. We use centimeters for ease and more precise pricing (/100, /240, /360, etc).
- 5 Finally, we need to know which kind of taper to build into the batten's profile depicted by an  
 F (flex/leech batten),  
 C (compression/full batten),  
 R (reverse compression for a flat entry) or  
 NT (in the event that a non-tapered piece is desired)



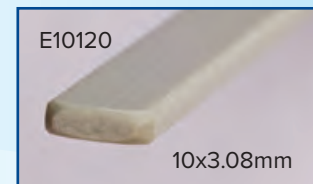
## RBS Epoxy 10mm Tapered Leech Battens

A range of tapered battens with soft tips. Designed to be used in the leeches of mainsails and jibs alike. Their soft tips and excellent durability make them a natural choice for jibs where durability is paramount. The end caps, when used, add 5mm to the overall length.

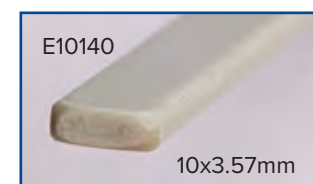
Part No	Description
<b>RBS E10100 Soft Leech Battens</b>	
E10100/050F	495mm x E10100 / 10mm Soft Leech Batten
E10100/060F	600mm x E10100 / 10mm Soft Leech Batten
E10100/068F	680mm x E10100 / 10mm Soft Leech Batten
E10100/076F	755mm x E10100 / 10mm Soft Leech Batten
E10100/083F	830mm x E10100 / 10mm Soft Leech Batten
<b>End Caps for E10100 Leech Battens</b>	
RB-BC10X085	RBS 10mm Inner Crescent
<b>Inboard End comes already fitted with end cap</b>	
RB-BC10100	RBS 10mm Outer For E10100



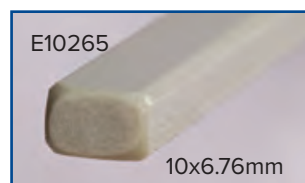
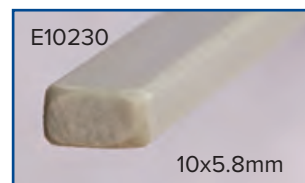
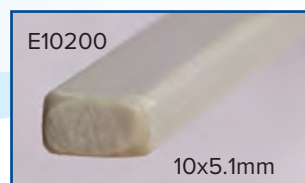
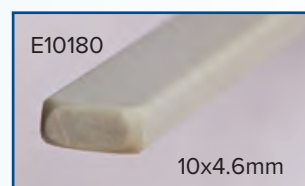
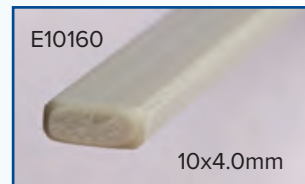
<b>RBS E10120 Soft/Light Leech Battens</b>	
E10120/060F	600mm x E10120 / 10mm Soft/Light Leech Batten
E10120/076F	755mm x E10120 / 10mm Soft/Light Leech Batten
E10120/083F	830mm x E10120 / 10mm Soft/Light Leech Batten
E10120/091F	910mm x E10120 / 10mm Soft/Light Leech Batten
E10120/105F	1050mm x E10120 / 10mm Soft/Light Leech Batten
E10120/125F	1250mm x E10120 / 10mm Soft/Light Leech Batten
<b>End Caps for E10120 Soft/Light Leech Battens</b>	
RB-BC10X085	RBS 10mm Inner Crescent
<b>Inboard End comes already fitted with end cap</b>	
RB-BC10140	RBS 10mm Outer For E10120/140



<b>RBS E10140 Light Leech Battens</b>	
E10140/060F	600mm x E10140 / 10mm Light Leech Batten
E10140/076F	755mm x E10140 / 10mm Light Leech Batten
E10140/083F	830mm x E10140 / 10mm Light Leech Batten
E10140/091F	910mm x E10140 / 10mm Light Leech Batten
E10140/105F	1050mm x E10140 / 10mm Light Leech Batten
E10140/125F	1250mm x E10140 / 10mm Light Leech Batten
<b>End Caps for E10140 Light Leech Battens</b>	
RB-BC10X085	RBS 10mm Inner Crescent
<b>Inboard End comes already fitted with end cap</b>	
RB-BC10140	RBS 10mm Outer For E10120/140



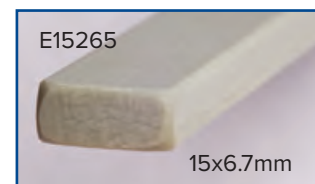
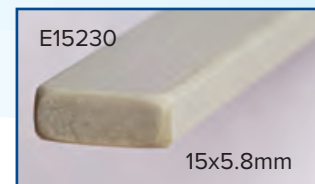
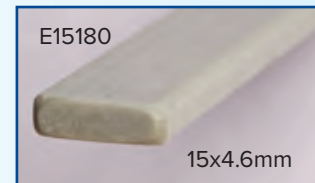
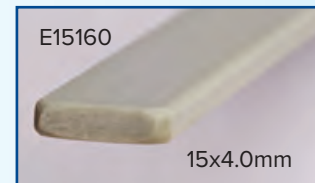
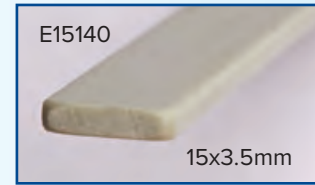
Part No	Description
<b>RBS E10160 Medium/Light Leech Battens</b>	
E10160/060F	600mm x E10160 / 10mm Medium/Light Leech Batten
E10160/076F	755mm x E10160 / 10mm Medium/Light Leech Batten
E10160/083F	830mm x E10160 / 10mm Medium/Light Leech Batten
E10160/091F	910mm x E10160 / 10mm Medium/Light Leech Batten
E10160/105F	1050mm x E10160 / 10mm Medium/Light Leech Batten
E10160/125F	1250mm x E10160 / 10mm Medium/Light Leech Batten
<b>End Caps for E10160 Medium/Light Leech Battens</b>	
RB-BC10X085	RBS 10mm Inner Crescent
<b>Inboard End comes already fitted with end cap</b>	
RB-BC10180	RBS 10mm Outer For E10160/180
<b>RBS E10180 Medium Leech Battens</b>	
E10180/060F	600mm x E10180 / 10mm Medium Leech Batten
E10180/076F	755mm x E10180 / 10mm Medium Leech Batten
E10180/083F	830mm x E10180 / 10mm Medium Leech Batten
E10180/091F	910mm x E10180 / 10mm Medium Leech Batten
E10180/105F	1050mm x E10180 / 10mm Medium Leech Batten
E10180/125F	1250mm x E10180 / 10mm Medium Leech Batten
E10180/150F	1500mm x E10180 / 10mm Medium Leech Batten
<b>End Caps for E10180 Medium Leech Battens</b>	
RB-BC10X085	RBS 10mm Inner Crescent
<b>Inboard End comes already fitted with end cap</b>	
RB-BC10180	RBS 10mm Outer For E10160/180
<b>RBS E10200 Medium/Stiff Leech Battens</b>	
E10200/120F	1200mm x E10200 / 10mm Medium/Stiff Leech Batten
E10200/125F	1250mm x E10200 / 10mm Medium/Stiff Leech Batten
<b>End Caps for E10200 Stiff Leech Battens</b>	
RB-BC10X085	RBS 10mm Inner Crescent
<b>Inboard End comes already fitted with end cap</b>	
RB-BC10200	RBS 10mm Outer For E10200/265
<b>RBS E10230 Stiff Leech Battens</b>	
E10230/090F	900mm x E10230 / 10mm Stiff Leech Batten
E10230/105F	1050mm x E10230 / 10mm Stiff Leech Batten
E10230/125F	1250mm x E10230 / 10mm Stiff Leech Batten
E10230/150F	1500mm x E10230 / 10mm Stiff Leech Batten
E10230/180F	1800mm x E10230 / 10mm Stiff Leech Batten
E10230/210F	2100mm x E10230 / 10mm Medium Leech Batten
E10230/240F	2400mm x E10230 / 10mm Medium Leech Batten
<b>End Caps for E10230 Stiff Leech Battens</b>	
RB-BC10X085	RBS 10mm Inner Crescent
<b>Inboard End comes already fitted with end cap</b>	
RB-BC10200	RBS 10mm Outer For E10200/265
<b>RBS E10265 X-Stiff Leech Battens</b>	
E10265/150F	1500mm x E10265 / 10mm X-Stiff Leech Batten
<b>End Caps for E10265 X-Stiff Leech Battens</b>	
RB-BC10X085	RBS 10mm Inner Crescent
<b>Inboard End comes already fitted with end cap</b>	
RB-BC10200	RBS 10mm Outer For E10200/265



## RBS Epoxy 15mm Tapered Leech Battens

A range of tapered battens with soft tips. Designed to be used in the leeches of mainsails and jibs alike. Their soft tips and excellent durability make them a natural choice for jibs where durability is paramount.

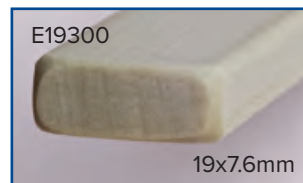
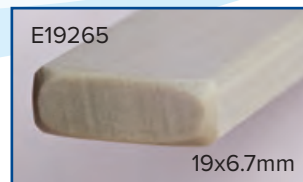
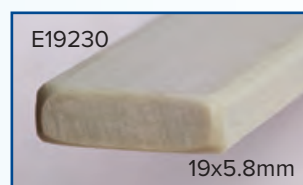
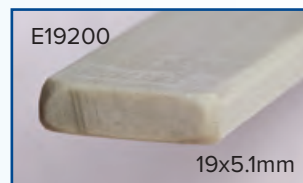
Part No	Description
<b>RBS E15140 Leech Battens</b>	
E15140/060F	600mm x E15140 / 15mm Light Leech Batten
E15140/080F	800mm x E15140 / 15mm Light Leech Batten
<b>End Caps for E15160 Leech Battens</b>	
<b>Inboard end comes already fitted with end cap</b>	
RB-BC15180	RBS 15mm Outer For E15160/180
<b>RBS E15160 Leech Battens</b>	
E15160/090F	900mm x E15160 / 15mm Medium Leech Batten
<b>End Caps for E15160 Leech Battens</b>	
<b>Inboard end comes already fitted with end cap</b>	
RB-BC15180	RBS 15mm Outer For E15160/180
<b>RBS E15180 Leech Battens</b>	
E15180/090F	900mm x E15180 / 15mm Stiff Leech Batten
E15180/105F	1050mm x E15180 / 15mm Stiff Leech Batten
E15180/125F	1250mm x E15180 / 15mm Stiff Leech Batten
<b>End Caps for E15180 Leech Battens</b>	
<b>Inboard end comes already fitted with end cap</b>	
RB-BC15180	RBS 15mm Outer For E15160/180
<b>RBS E15230 X-Stiff Leech Battens</b>	
E15230/090F	900mm x E15230 / 15mm X-Stiff Leech Batten
E15230/105F	1050mm x E15230 / 15mm X-Stiff Leech Batten
E15230/125F	1250mm x E15230 / 15mm X-Stiff Leech Batten
E15230/150F	1500mm x E15230 / 15mm X-Stiff Leech Batten
E15230/180F	1800mm x E15230 / 15mm X-Stiff Leech Batten
E15230/210F	2100mm x E15230 / 15mm X-Stiff leech Batten
<b>End Caps for E15230 Leech Battens</b>	
<b>Inboard end comes already fitted with end cap</b>	
RB-BC15230	RBS 15mm Outer for E15230
<b>RBS E15265 XX-Stiff Leech Battens</b>	
E15265/090F	900mm x E15265 / 15mm XX-Stiff Leech Batten
E15265/125F	1250mm x E15265 / 15mm XX-Stiff Leech Batten
E15265/180F	1800mm x E15265 / 15mm XX-Stiff Leech Batten
E15265/240F	2400mm x E15265 / 15mm XX-Stiff Leech Batten
E15265/300F	3000mm x E15265 / 15mm XX-Stiff Leech Batten
<b>End Caps for E15265 Leech Battens</b>	
<b>Inboard end comes already fitted with end cap</b>	
RB-BC15265	RBS 15mm Outer for E15265
<b>RBS E15300 XXX-Stiff Leech Battens</b>	
E15300/120F	1200mm x E15300 / 15mm XXX-Stiff Leech Batten
E15300/150F	1500mm x E15300 / 15mm XXX-Stiff Leech Batten
E15300/180F	1800mm x E15300 / 15mm XXX-Stiff Leech Batten
E15300/210F	2100mm x E15300 / 15mm XXX-Stiff Leech Batten
E15300/240F	2400mm x E15300 / 15mm XXX-Stiff Leech Batten
E15300/270F	2700mm x E15300 / 15mm XXX-Stiff leech Batten
<b>End Caps for E15300 Leech Battens</b>	
<b>Inboard end comes already fitted with end cap</b>	
RB-BC15300	RBS 15mm Outer for E15300



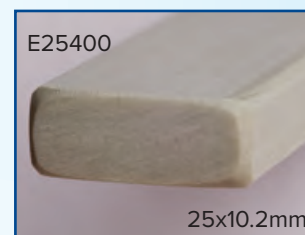
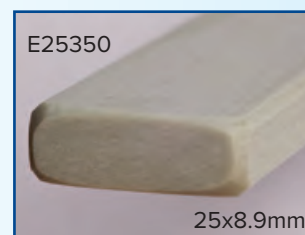
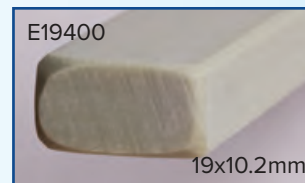
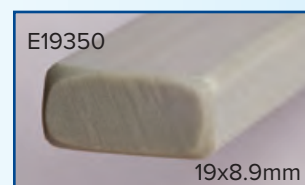
## RBS Epoxy 19mm Tapered Leech Battens

A range of tapered battens with soft tips. Designed to be used in the leeches of mainsails and jibs alike. Their soft tips and excellent durability make them a natural choice for jibs where durability is paramount.

Part No	Description
<b>RBS E19200 Leech Battens</b>	
E19200/125F	1250mm x E19200 / 19mm Leech Batten
E19200/150F	1500mm x E19200 / 19mm Leech Batten
E19200/180F	1800mm x E19200 / 19mm Leech Batten
E19200/210F	2100mm x E19200 / 19mm Leech Batten
<b>End Caps for E19200 Leech Battens</b>	
<b>Inboard End comes already fitted with end cap</b>	
RB-BC19200	RBS 19mm Outer For E19200
<b>RBS E19230 Leech Battens</b>	
E19230/090F	900mm x E19230 / 19mm RBS1 Leech Batten
E19230/105F	1050mm x E19230 / 19mm RBS1 Leech Batten
E19230/125F	1250mm x E19230 / 19mm RBS1 Leech Batten
E19230/150F	1500mm x E19230 / 19mm RBS1 Leech Batten
E19230/180F	1800mm x E19230 / 19mm RBS1 Leech Batten
E19230/210F	2100mm x E19230 / 19mm RBS1 Leech Batten
<b>End Caps for E19230 Leech Battens</b>	
<b>Inboard End comes already fitted with end cap</b>	
RB-BC19230	RBS 19 mm Outer For E19230/265
<b>RBS E19265 Leech Battens</b>	
E19265/090F	900mm x E19265 / 19mm RBS2 Leech Batten
E19265/105F	1050mm x E19265 / 19mm RBS2 Leech Batten
E19265/125F	1250mm x E19265 / 19mm RBS2 Leech Batten
E19265/150F	1500mm x E19265 / 19mm RBS2 Leech Batten
E19265/180F	1800mm x E19265 / 19mm RBS2 Leech Batten
E19265/210F	2100mm x E19265 / 19mm RBS2 Leech Batten
E19265/240F	2400mm x E19265 / 19mm RBS2 Leech Batten
<b>End Caps for E19265 Leech Battens</b>	
<b>Inboard End comes already fitted with end cap</b>	
RB-BC19265	RBS 19 mm Outer For E19230/265
<b>RBS E19300 Leech Battens</b>	
E19300/105F	1050mm x E19300 / 19mm RBS3 Leech Batten
E19300/125F	1250mm x E19300 / 19mm RBS3 Leech Batten
E19300/150F	1500mm x E19300 / 19mm RBS3 Leech Batten
E19300/180F	1800mm x E19300 / 19mm RBS3 Leech Batten
E19300/210F	2100mm x E19300 / 19mm RBS3 Leech Batten
E19300/240F	2400mm x E19300 / 19mm RBS3 Leech Batten
E19300/300F	3000mm x E19300 / 19mm RBS3 Leech Batten
<b>End Caps for E19300 Leech Battens</b>	
<b>Inboard End comes already fitted with end cap</b>	
RB-BC19300	RBS 19mm Outer For E19300



Part No	Description
<b>RBS E19350 Leech Battens</b>	
E19350/150F	1500mm x E19350 / 19mm RBS4 Leech Batten
E19350/180F	1800mm x E19350 / 19mm RBS4 Leech Batten
E19350/210F	2100mm x E19350 / 19mm RBS4 Leech Batten
E19350/240F	2400mm x E19350 / 19mm RBS4 Leech Batten
E19350/270F	2700mm x E19350 / 19mm RBS4 Leech Batten
E19350/300F	3000mm x E19350 / 19mm RBS4 Leech Batten
<b>End Caps for E19350 Leech Battens</b>	
<b>Inboard End comes already fitted with end cap</b>	
RB-BC19350	RBS 19mm Outer For E19350
<b>RBS E19400 Leech Battens</b>	
E19400/210F	2100mm x E19400 / 19mm RBS4 Leech Batten
E19400/240F	2400mm x E19400 / 19mm RBS4 Leech Batten
E19400/270F	2700mm x E19400 / 19mm RBS4 Leech Batten
<b>End Caps for E19400 Leech Battens</b>	
<b>Inboard End comes already fitted with end cap</b>	
RB-BC19400	RBS 19mm Outer For E19400
<b>RBS E25350 Leech Battens</b>	
E25350/270F	2700mm x E25350 / 25mm RBS4 Leech Batten
<b>End Caps for E25350 Leech Battens</b>	
<b>Inboard End comes already fitted with end cap</b>	
RB-BC25350	RBS 25mm Outer For E25350
<b>RBS E25400 Leech Battens</b>	
E25400/240F	2400mm x E25400/25MM RBS5 Leech Batten
E25400/270F	2700mm x E25400/25mm RBS Leech Batten
E25400/360F	3600mm x E25400 / 25mm RBS5 Leech Batten
E25400/420F	4200mm x E25400 / 25mm RBS5 Leech Batten
<b>End Caps for E25400 Leech Battens Inboard End comes already fitted with end cap</b>	
RB-BC25400	RBS 25mm Outer For E25400



## RBS Assorted Epoxy Untapered Battens

A range of non tapered parallel Epoxy battens available to suit all conditions.

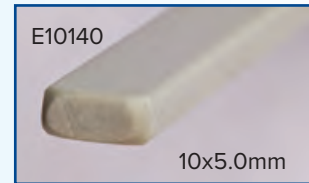
Part No	Dimensions	Stock Length	
E10100/125NT	10x2.5mm	1250mm	Untapered All Purpose Battens
E10120/125NT	10x3.08mm	1250mm	Untapered All Purpose Battens
E10140/125NT	10x3.75mm	1250mm	Untapered All Purpose Battens
E10160/125NT	10x4mm	1250mm	Untapered All Purpose Battens
E10160/600NT	10x4mm	6000mm	Untapered All Purpose Battens
E10180/125NT	10x4.6mm	1250mm	Untapered All Purpose Battens
E10180/600NT	10x4.6mm	6000mm	Untapered All Purpose Battens
E10200/600NT	10x5.1mm	6000mm	Untapered All Purpose Battens
E10230/082NT	10x5.8mm	820mm	Untapered All Purpose Battens
E10230/125NT	10x5.8mm	1250mm	Untapered All Purpose Battens
E10230/180NT	10x5.8mm	1800mm	Untapered All Purpose Battens
E10265/082NT	10x6.7mm	820mm	Untapered All Purpose Battens
E10265/125NT	10x6.7mm	1250mm	Untapered All Purpose Battens
E10265/180NT	10x6.7mm	1800mm	Untapered All Purpose Battens
E12050/280NT	12x1.27mm	2800mm	Untapered All Purpose Battens
E12070/280NT	12x1.78mm	2800mm	Untapered All Purpose Battens
E15265/600NT-SPL	15x6.7 mm	6000mm	Untapered All Purpose Battens with Splice @3600mm
E15300/600NT-SPL	15x7.7 mm	6000mm	Untapered All Purpose Battens with Splice @3600mm
E19300/300NT	19x7.7mm	3000mm	Untapered All Purpose Battens
E19300/600NT-SPL	19x7.7mm	6000mm	Untapered All Purpose Battens with Splice @3600mm
E19350/600NT-SPL	19x8.9mm	6000mm	Untapered All Purpose Battens with Splice @3600mm
E19400/600NT-SPL	19x10.2mm	6000mm	Untapered All Purpose Battens with Splice @3600mm



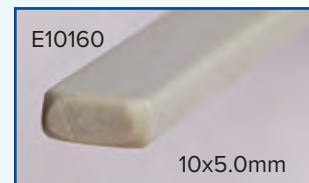
## RBS Epoxy 10mm Full Thru Battens

A range of tapered battens with a firmer tip and their draft back at about 40-45%. Designed for use in full batten mainsails and an essential upgrade for full length mainsail and jib full length top battens where durability is paramount.

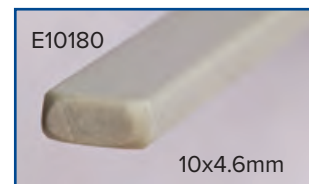
Part No	Description
<b>RBS E10140 Extra Light Full Thru Battens</b>	
E10140/090C	900mm x E10140 / 10mm Extra Light Full Thru Batten
E10140/105C	1050mm x E10140 / 10mm Extra Light Full Thru Batten
E10140/125C	1250mm x E10140 / 10mm Extra Light Full Thru Batten
E10140/130C	1300mm x E10140 / 10mm Extra Light Full Thru Batten
E10140/150C	1500mm x E10140 / 10mm Extra Light Full Thru Batten
E10140/180C	1800mm x E10140 / 10mm Extra Light Full Thru Batten
<b>End Caps for E10140 Full Thru Battens</b>	
RB-BC10140	RBS 10mm Outer For E10140
RB-BT10X50	RBS 10mm x 5.0mm Rocket Tensioner



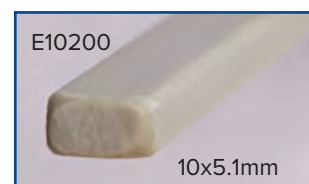
<b>RBS E10160 Light Full Thru Battens</b>	
E10160/090C	900mm x E10160 / 10mm Light Full Thru Batten
E10160/105C	1050mm x E10160 / 10mm Light Full Thru Batten
E10160/125C	1250mm x E10160 / 10mm Light Full Thru Batten
E10160/150C	1500mm x E10160 / 10mm Light Full Thru Batten
E10160/180C	1800mm x E10160 / 10mm Light Full Thru Batten
E10160/210C	2100mm x E10160 / 10mm Light Full Thru Batten
<b>End Caps for E10160 Full Thru Battens</b>	
RB-BC10180	RBS 10mm Outer For E10160/180
RB-BT10X50	RBS 10mm x 5.0mm Rocket Tensioner



<b>RBS E10180 Medium Full Thru Battens</b>	
E10180/090C	900mm x E10180 / 10mm Medium Full Thru Batten
E10180/105C	1050mm x E10180 / 10mm Medium Full Thru Batten
E10180/125C	1250mm x E10180 / 10mm Medium Full Thru Batten
E10180/150C	1500mm x E10180 / 10mm Medium Full Thru Batten
E10180/180C	1800mm x E10180 / 10mm Medium Full Thru Batten
E10180/210C	2100mm x E10180 / 10mm Medium Full Thru Batten
E10180/240C	2400mm x E10180 / 10mm Medium Full Thru Batten
E10180/270C	2700mm x E10180 / 10mm Medium Full Thru Batten
E10180/300C	3000mm x E10180 / 10mm Medium Full Thru Batten
<b>End Caps for E10180 Full Thru Battens</b>	
RB-BC10180	RBS 10mm Outer For E10160/180
RB-BT10X50	RBS 10mm x 5.0mm Rocket Tensioner

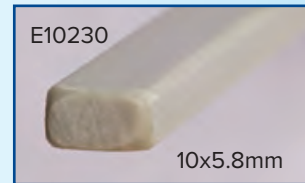


<b>RBS E10200 Medium Full Thru Battens</b>	
E10200/125C	1250mm x E10200 / 10mm Medium Full Thru Batten
<b>End Caps for E10200 Full Thru Battens</b>	
RB-BC10200	RBS 10mm Outer For E10200
RB-BT10X50	RBS 10mm x 5.0mm Rocket Tensioner



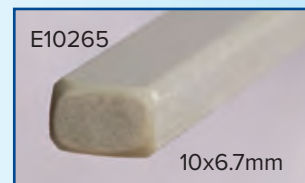
\*Please note Batten images are not to scale and are indicative only.

Part No	Description
<b>RBS E10230 Stiff Full Thru Battens</b>	
E10230/090C	900mm x E10230 / 10mm Stiff Full Thru Batten
E10230/105C	1050mm x E10230 / 10mm Stiff Full Thru Batten
E10230/125C	1250mm x E10230 / 10mm Stiff Full Thru Batten
E10230/150C	1500mm x E10230 / 10mm Stiff Full Thru Batten
E10230/180C	1800mm x E10230 / 10mm Stiff Full Thru Batten
E10230/210C	2100mm x E10230 / 10mm Stiff Full Thru Batten
E10230/240C	2400mm x E10230 / 10mm Stiff Full Thru Batten
E10230/270C	2700mm x E10230 / 10mm Stiff Full Thru Batten



<b>End Caps for E10230 Full Thru Battens</b>	
RB-BC10200	RBS 10mm Outer For E10200/265
RB-BT10X50	RBS 10mm x 5.0mm Rocket Tensioner

<b>RBS E10265 X-Stiff Full Thru Battens</b>	
E10265/150C	1500mm x E10265 / 10mm X-Stiff Full Thru Batten
E10265/180C	1800mm x E10265 / 10mm X-Stiff Full Thru Batten
E10265/210C	2100mm x E10265 / 10mm X-Stiff Full Thru Batten
E10265/240C	2400mm x E10265 / 10mm X-Stiff Full Thru Batten
E10265/270C	2700mm x E10265 / 100mm X-Stiff Full Thru Batten

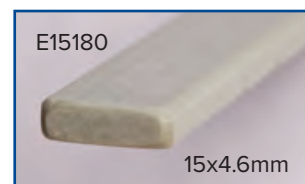


<b>End Caps for E10265 Full Thru Battens</b>	
RB-BC10200	RBS 10mm Outer For E10200/265
RB-BT10X50	RBS 10mm x 5.0mm Rocket Tensioner

## RBS Epoxy 15mm Full Thru Battens

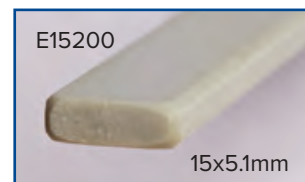
A range of tapered battens with a firmer tip and their draft back at about 40-45%. Designed for use in full batten mainsails and an essential upgrade for full length mainsail and jib full length top battens where durability is paramount.

Part No	Description
<b>RBS E15180 Stiff Full Thru Battens</b>	
E15180/105C	1050mm x E15180 / 15mm Stiff Full Thru Batten
E15180/125C	1250mm x E15180 / 15mm Stiff Full Thru Batten
E15180/150C	1500mm x E15180 / 15mm Stiff Full Thru Batten
E15180/210C	2100mm x E15180 / 15mm Stiff Full Thru Batten
E15180/240C	2400mm x E15180 / 15mm Stiff Full Thru Batten



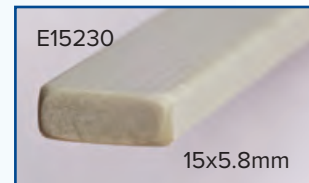
<b>End Caps for E15180 Full Thru Battens</b>	
RB-BC15180	RBS 15mm Outer For E15160/180
RB-BT15X76	RBS 15mm x 7.6mm Rocket Tensioner

<b>RBS E15200 Stiff Full Thru Battens</b>	
E15200/125C	1250mm x E15200 / 15mm Stiff Full Thru Batten
E15200/150C	1500mm x E15200 / 15mm Stiff Full Thru Batten
E15200/180C	1800mm x E15200 / 15mm Stiff Full Thru Batten
E15200/210C	2100mm x E15200 / 15mm Stiff Full Thru Batten
E15200/240C	2400mm x E15200 / 15mm Stiff Full Thru Batten

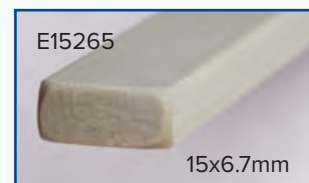


<b>End Caps for E15200 Full Thru Battens</b>	
RB-BC15200	RBS 15mm Outer For E15200
RB-BT15X76	RBS 15mm x 7.6mm Rocket Tensioner

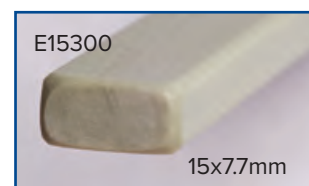
Part No	Description
<b>RBS E15230 X-Stiff Full Thru Battens</b>	
<b>E15230/090C</b>	900mm x E15230 / 15mm X-Stiff Full Thru Batten
<b>E15230/105C</b>	1050mm x E15230 / 15mm X-Stiff Full Thru Batten
<b>E15230/125C</b>	1250mm x E15230 / 15mm X-Stiff Full Thru Batten
<b>E15230/150C</b>	1500mm x E15230 / 15mm X-Stiff Full Thru Batten
<b>E15230/180C</b>	1800mm x E15230 / 15mm X-Stiff Full Thru Batten
<b>E15230/210C</b>	2100mm x E15230 / 15mm X-Stiff Full Thru Batten
<b>E15230/240C</b>	2400mm x E15230 / 15mm X-Stiff Full Thru Batten
<b>E15230/270C</b>	2700mm x E15230 / 15mm X-Stiff Full Thru Batten
<b>E15230/300C</b>	3000mm x E15230 / 15mm X-Stiff Full Thru Batten
<b>E15230/360C</b>	3600mm x E15230 / 15mm X-Stiff Full Thru Batten
<b>End Caps for E15230 Full Thru Battens</b>	
<b>RB-BC15230</b>	RBS 15mm Outer For E15230
<b>RB-BT15X76</b>	RBS 15mm x 7.6mm Rocket Tensioner



<b>RBS E15265 XX-Stiff Full Thru Battens</b>	
<b>E15265/105C</b>	1050mm x E15265 / 15mm XX-Stiff Full Thru Batten
<b>E15265/125C</b>	1250mm x E15265 / 15mm XX-Stiff Full Thru Batten
<b>E15265/150C</b>	1500mm x E15265 / 15mm XX-Stiff Full Thru Batten
<b>E15265/180C</b>	1800mm x E15265 / 15mm XX-Stiff Full Thru Batten
<b>E15265/210C</b>	2100mm x E15265 / 15mm XX-Stiff Full Thru Batten
<b>E15265/240C</b>	2400mm x E15265 / 15mm XX-Stiff Full Thru Batten
<b>E15265/270C</b>	2700mm x E15265 / 15mm XX-Stiff Full Thru Batten
<b>E15265/300C</b>	3000mm x E15265 / 15mm XX-Stiff Full Thru Batten
<b>E15265/360C</b>	3600mm x E15265 / 15mm XX-Stiff Full Thru Batten
<b>End Caps for E15265 Full Thru Battens</b>	
<b>RB-BC15265</b>	RBS 15mm Outer For E15265
<b>RB-BT15X76</b>	RBS 15mm x 7.6mm Rocket Tensioner



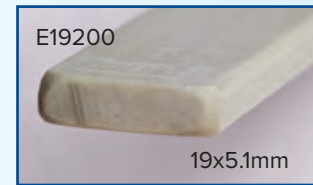
<b>RBS E15300 XXX-Stiff Full Thru Battens</b>	
<b>E15300/120C</b>	1200mm x E15300 / 15mm XXX-Stiff Full Thru Batten
<b>E15300/150C</b>	1500mm x E15300 / 15mm XXX-Stiff Full Thru Batten
<b>E15300/180C</b>	1800mm x E15300 / 15mm XXX-Stiff Full Thru Batten
<b>E15300/210C</b>	2100mm x E15300 / 15mm XXX-Stiff Full Thru Batten
<b>E15300/240C</b>	2400mm x E15300 / 15mm XXX-Stiff Full Thru Batten
<b>E15300/270C</b>	2700mm x E15300 / 15mm XXX-Stiff Full Thru Batten
<b>E15300/300C</b>	3000mm x E15300 / 15mm XXX-Stiff Full Thru Batten
<b>E15300/360C</b>	3600mm x E15300 / 15mm XXX-Stiff Full Thru Batten
<b>End Caps for E15300 Full Thru Battens</b>	
<b>RB-BC15300</b>	RBS 15mm Outer For E15300
<b>RB-BT15X76</b>	RBS 15mm x 7.6mm Rocket Tensioner



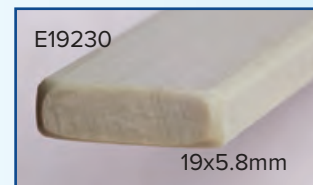
## RBS Epoxy 19mm Full Thru Battens

A range of tapered battens with a firmer tip and their draft back at about 40-45%. Designed for use in full batten mainsails and an essential upgrade for full length mainsail and jib full length top battens where durability is paramount.

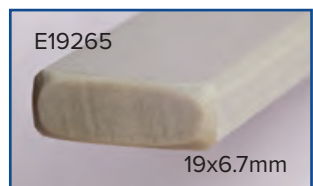
Part No	Description
<b>RBS E19200 Full Thru Battens</b>	
<b>E19200/125C</b>	1250mm x E19200 / 19mm RBS Full Thru Batten
<b>E19200/150C</b>	1500mm x E19200 / 19mm RBS Full Thru Batten
<b>E19200/180C</b>	1800mm x E19200 / 19mm RBS Full Thru Batten
<b>E19200/210C</b>	2100mm x E19200 / 19mm RBS Full Thru Batten
<b>E19200/240C</b>	2400mm x E19200 / 19mm RBS Full Thru Batten
<b>End Caps for E19200 Full Thru Battens</b>	
<b>RB-BC19200</b>	RBS 19mm Outer end cap for E19200
<b>RB-BT19X67</b>	RBS 19mm Rocket Tensioner



<b>RBS1 E19230 Full Thru Battens</b>	
<b>E19230/090C</b>	900mm x E19230 / 19mm RBS1 Full Thru Batten
<b>E19230/105C</b>	1050mm x E19230 / 19mm RBS1 Full Thru Batten
<b>E19230/125C</b>	1250mm x E19230 / 19mm RBS1 Full Thru Batten
<b>E19230/150C</b>	1500mm x E19230 / 19mm RBS1 Full Thru Batten
<b>E19230/180C</b>	1800mm x E19230 / 19mm RBS1 Full Thru Batten
<b>E19230/210C</b>	2100mm x E19230 / 19mm RBS1 Full Thru Batten
<b>E19230/240C</b>	2400mm x E19230 / 19mm RBS1 Full Thru Batten
<b>E19230/270C</b>	2700mm x E19230 / 19mm RBS1 Full Thru Batten
<b>E19230/300C</b>	3000mm x E19230 / 19mm RBS1 Full Thru Batten
<b>E19230/360C</b>	3600mm x E19230 / 19mm RBS1 Full Thru Batten
<b>End Caps for E19230 Full Thru Battens</b>	
<b>RB-BC19265</b>	RBS 19mm Outer For E19230/265
<b>RB-BT19X67</b>	RBS 19mm Rocket Tensioner

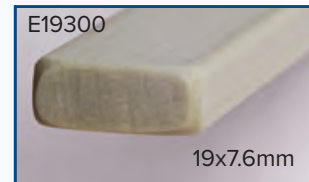


<b>RBS2 E19265 Full Thru Battens</b>	
<b>E19265/090C</b>	900mm x E19265 / 19mm RBS2 Full Thru Batten
<b>E19265/105C</b>	1050mm x E19265 / 19mm RBS2 Full Thru Batten
<b>E19265/125C</b>	1250mm x E19265 / 19mm RBS2 Full Thru Batten
<b>E19265/150C</b>	1500mm x E19265 / 19mm RBS2 Full Thru Batten
<b>E19265/180C</b>	1800mm x E19265 / 19mm RBS2 Full Thru Batten
<b>E19265/210C</b>	2100mm x E19265 / 19mm RBS2 Full Thru Batten
<b>E19265/240C</b>	2400mm x E19265 / 19mm RBS2 Full Thru Batten
<b>E19265/300C</b>	3000mm x E19265 / 19mm RBS2 Full Thru Batten
<b>E19265/360C</b>	3600mm x E19265 / 19mm RBS2 Full Thru Batten
<b>End Caps for E19265 Full Thru Battens</b>	
<b>RB-BC19265</b>	RBS 19mm Outer For E19230/265
<b>RB-BT19X67</b>	RBS 19mm Rocket Tensioner

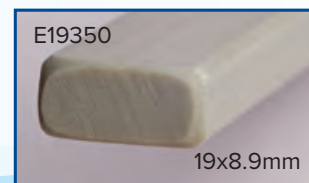


## RBS Epoxy 19mm Full Thru Battens

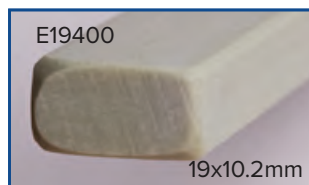
Part No	Description
<b>RBS3 E19300 Full Thru Battens</b>	
<b>E19300/150C</b>	1500mm x E19300 / 19mm RBS3 Full Thru Batten
<b>E19300/180C</b>	1800mm x E19300 / 19mm RBS3 Full Thru Batten
<b>E19300/210C</b>	2100mm x E19300 / 19mm RBS3 Full Thru Batten
<b>E19300/240C</b>	2400mm x E19300 / 19mm RBS3 Full Thru Batten
<b>E19300/300C</b>	3000mm x E19300 / 19mm RBS3 Full Thru Batten
<b>E19300/330C</b>	3300mm x E19300 / 19mm RBS3 Full Thru Batten
<b>E19300/360C</b>	3600mm x E19300 / 19mm RBS3 Full Thru Batten
<b>E19300/420C-SPL</b>	4200mm x E19300 / 19mm RBS3 Full Thru Batten Including Splice @ 3400 mm front
<b>E19300/480C-SPL</b>	4800mm x E19300 / 19mm RBS3 Full Thru Batten Including Splice @ 3400 mm front
<b>E19300/540C-SPL</b>	5400mm x E19300 / 19mm RBS3 Full Thru Batten Including Splice @ 3400 mm front
<b>End Caps for E19300 Full Thru Battens</b>	
<b>RB-BC19300</b>	RBS 19mm Outer For E19300
<b>RB-BT19X89</b>	RBS 19mm Rocket Tensioner



<b>RBS4 E19350 Full Thru Battens</b>	
<b>E19350/210C</b>	2100mm x E19350 / 19mm RBS4 Full Thru Batten
<b>E19350/240C</b>	2400mm x E19350 / 19mm RBS4 Full Thru Batten
<b>E19350/300C</b>	3000mm x E19350 / 19mm RBS4 Full Thru Batten
<b>E19350/360C</b>	3600mm x E19350 / 19mm RBS4 Full Thru Batten
<b>E19350/420C-SPL</b>	4200mm x E19350 / 19mm RBS4 Full Thru Batten Including Splice @ 3400 mm front
<b>E19350/460C-SPL</b>	4600mm x E19350 / 19mm RBS4 Full Thru Batten Including Splice @ 3400 mm front
<b>E19350/540C-SPL</b>	5400mm x E19350 / 19mm RBS4 Full Thru Batten Including Splice @ 3400 mm front
<b>E19350/600C-SPL</b>	6000mm x E19350 / 19mm RBS4 Full Thru Batten Including Splice @ 3400 mm front
<b>End Caps for E19350 Full Thru Battens</b>	
<b>RB-BC19350</b>	RBS 19mm Outer For E19350
<b>RB-BT19X89</b>	RBS 19mm Rocket Tensioner



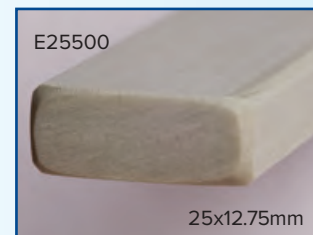
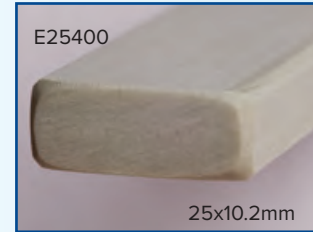
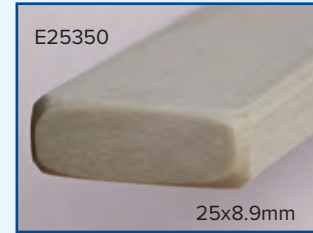
<b>RBS5 E19400 Full Thru Battens</b>	
<b>E19400/210C</b>	2100mm x E19400 / 19mm RBS5 Full Thru Batten
<b>E19400/240C</b>	2400mm x E19400 / 19mm RBS5 Full Thru Batten
<b>E19400/270C</b>	2700mm x E19400 / 19mm RBS5 Full Thru Batten
<b>E19400/300C</b>	3000mm x E19400 / 19mm RBS5 Full Thru Batten
<b>E19400/360C</b>	3600mm x E19400 / 19mm RBS5 Full Thru Batten
<b>E19400/420C-SPL</b>	4200mm x E19400 / 19mm RBS5 Full Thru Batten Including Splice @ 3400 mm front
<b>E19400/480C-SPL</b>	4800mm x E19400 / 19mm RBS5 Full Thru Batten Including Splice @ 3400 mm front
<b>E19400/540C-SPL</b>	5400mm x E19400 / 19mm RBS5 Full Thru Batten Including Splice @ 3400 mm front
<b>E19400/600C</b>	6000mm x E19400 / 19mm RBS5 Full Thru Batten Including Splice @ 3400 mm front
<b>End Caps for E19400 Full Thru Battens</b>	
<b>RB-BC19400</b>	RBS 19mm Outer For E19400
<b>RB-BT19X89</b>	RBS 19mm Rocket Tensioner





## RBS Epoxy 25mm Full Thru Battens

Part No	Description
E25300/300C	1300mm x E25300 / 25mm Full Thru Batten
E25350/180C	1800mm x E25350 / 25mm Full Thru Batten
E25350/300C	3000mm x E25350 / 25 mm Full Thru Batten
E25350/360C	3600mm x E25350 / 25mm Full Thru Batten
E25400/270C	2700 mm x E25400 / 25mm Full Thru Batten
E25400/390C-SPL	3900mm x E25400 / 25mm Full Thru Batten -Including Splice @ 3400mm front
E25400/480C-SPL	4800mm x E25400 / 25mm Full Thru Batten
E25400/540C-SPL	5400mm x E25400 / 25mm Full Thru Batten
E25400/720C-SPL	7200mm x E25400 / 25mm Full Thru Batten -Including Splice @3400 mm front
E25500/270C	2700mm x E25500 / 25mm Full Thru Batten
E25500/330C	3300mm x E25500 / 25mm Full Thru Batten
E25500/390C-SPL	3900mm x E25500 / 25mm Full Thru Batten - Including Splice @3400mm
E25500/450C-SPL	4500mm x E25500 / 25mm Full Thru Batten -Including Splice @3400mm
E25500/540C-SPL	5400mm x E25500 / 25mm Full Thru Batten -Including Splice @3400 mm
E25500/610C-SPL	6100mm x E25500 / 25mm Full Thru Batten -Including Splice @3400 mm
E25500/720C-SPL	7200 mm x E25500 / 25mm Full Thru Batten -Including Splice @3400 mm
E25500/900C-SPL	9000mm x E25500 / 25mm Full Thru Batten - Inc. 2 splices starting @3400mm
<b>End Caps for 25mm Full Thru Battens</b>	
RB-BC25300	Not Available
RB-BC25400	RBS 25mm Outer For E25350/400
RB-BC25400	RBS 25mm Outer For E25350/400

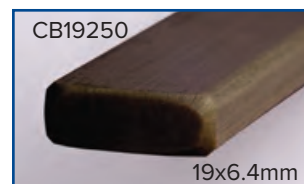
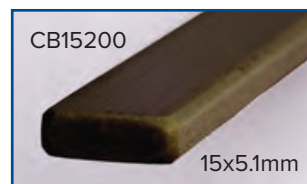
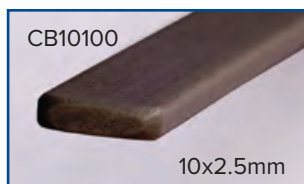


## RBS Epoxy 38 mm x 13.77 mm Full Thru and No Taper Battens

Part No	Description
E38540/620C-SPL	6200mm x 38 mm x 13.77 mm Full Thru Batten -Including 1 splice
E38540/620NT-SPL	6200mm x 38 mm x 13.77mm No Taper Batten -Including 1 splice
E38540/720NT-SPL	7200 mm x 38mm x 13.77 mm No Taper Batten -Including 1 splice
E38540/820C-SPL	8200 mm x 38mm x 13.77 mm Full Thru Batten -Including 2 splices
E38540/900NT-SPL	8200 mm x 38mm x 13.77 mm Full Thru Batten -Including 2 splices

## RBS Carbon Tapered Leech Battens – Special Order Only

The ultimate upgrade for performance and weight saving. The complete range of **RBS** Battens are available in CARBON. The **RBS** range of Carbon battens uses the highest quality aircraft grade carbon fibre, which therefore is volatile in both supply and price. Each batten is specially ordered and takes approximately 3 weeks for delivery. For a rough price guide, increase the equivalent sized Epoxy batten price by 6. Contact us for current prices and delivery time.



These photos represent a small sample of available carbon battens.

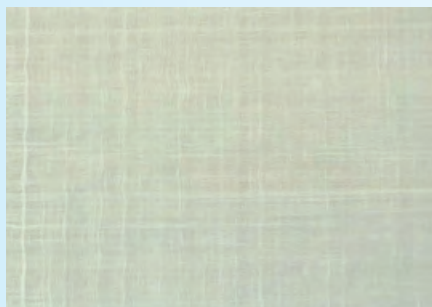
For ease of transport and storage, the compression battens 3600mm and over have 1 or more splices. The splice is also an option for boom tents for ease of storage and a taper on both ends to save weight and improve function.



## RBS PET Woven Eglass Sheets

The Eglass woven sheets are coated with Polyethylene Terephthalate (PET) resin which can be sewn, glued or moulded. The PET Woven sheets add reinforcement to corners and head board placements on sails. Dimension of a sheet purchased is 1.2 M wide. The thread plys are 60% E glass in a 0° and 90° orientation. X-Ply has 2 plys, is 0.54mm thick and weighs 1.0 kg per sheet. TRI-Ply has 3 plys, is 0.74mm thick and weighs 1.5 kg per sheet.

Part No	Description	Width
E60TP	RBS TRI-ply Woven Sheet	120cm
E60XP	RBS X-ply Woven Sheet	120cm



## RBS Batten Hole End Cap

RBS have designed and made a special batten hole end cap for racing applications. These eliminate drilling into the batten itself and provide a low profile, light weight, durable end cap with a hole that can be used with a line to tension the batten.

Part No	Description
RB-BHC10230	Batten Hole End Cap for 10230
RB-BHC10265	Batten Hole End Cap for 10265
RB-BHC15230	Batten Hole End Cap for 15230
RB-BHC15265	Batten Hole End Cap for 15265
RB-BHC15300	Batten Hole End Cap for 15300
RB-BHC19200	Batten Hole End Cap for 19200
RB-BHC19230	Batten Hole End Cap for 19230
RB-BHC19265	Batten Hole End Cap for 19265
RB-BHC19300	Batten Hole End Cap for 19300
RB-BHC19350	Batten Hole End Cap for 19350
RB-BHC19400	Batten Hole End Cap for 19400
RB-BHC25120	Batten Hole End Cap for 25120
RB-BHC25230	Batten Hole End Cap for 25230
RB-BHC25265	Batten Hole End Cap for 25265
RB-BHC25300	Batten Hole End Cap for 25300
RB-BHC25350	Batten Hole End Cap for 25350
RB-BHC25400	Batten Hole End Cap for 25400
RB-BHC25500	Batten Hole End Cap for 25500
RB-BHC38400	Batten Hole End Cap for 38400
RB-BHC38540	Batten Hole End Cap for 38540



## RBS Batten Endcaps & Rockets

A complete choice of compatible end caps are available to suit all the battens in the **RBS** range. All the fabric rope loops are an optional extra now.

Part No	Description
<b>RB-BT10LOOP</b>	Loop to suit BT-10x5 Tensioner
<b>RB-BT10X50</b>	RBS Rocket 10mm x 5.0mm
<b>RB-BT15X76</b>	RBS Rocket 15mm x 7.6mm
<b>RB-BT19X67</b>	RBS Rocket 19mm For 19200 / 230 / 265
<b>RB-BT19X89</b>	RBS Rocket 19mm For 19300 / 350
<b>RB-BTKEY</b>	Stainless Steel RBS Rocket Tensioner Key
<b>RB-BC10100</b>	RBS 10mm Outer For 10090 / 100
<b>RB-BC10140</b>	RBS 10mm Outer For 10120 / 140
<b>RB-BC10180</b>	RBS 10mm Outer For 10160 / 180
<b>RB-BC10200</b>	RBS 10mm Outer For 10200
<b>RB-BC10X085</b>	RBS 10mm Inner Crescent
<b>RB-BC15180</b>	RBS 15mm Outer For 15160 / 180
<b>RB-BC15200</b>	RBS 15mm Outer For 15200
<b>RB-BC15230</b>	RBS 15mm Outer For 15230
<b>RB-BC15265</b>	RBS 15mm Outer For 15265



Part No	Description
<b>RB-BC15300</b>	RBS 15mm Outer For 15300
<b>RB-BC19180</b>	RBS 19mm Outer For 19180
<b>RB-BC19200</b>	RBS 19mm Outer For 19200
<b>RB-BC19230</b>	RBS 19mm Outer For 19230
<b>RB-BC19265</b>	RBS 19mm Outer For 19265
<b>RB-BC19300</b>	RBS 19mm Outer For 19300
<b>RB-BC19350</b>	RBS 19mm Outer For 19350
<b>RB-BC19400</b>	RBS 19mm Outer For 19400
<b>RB-BC25400</b>	RBS 25mm Outer For 25400
<b>RB-BC25500</b>	RBS 25mm Outer For 25500



**Batten Connectors Stainless Steel, divided**

Rutgerson has introduced the first manufactured connector for round battens. It is made of stainless, acid proof steel. Joins battens of identical diameter. Especially suited for vertical battens in roller furl mainsails. The refined designs facilitate the connector to enter the roller furl mainsail. The connector is strong and easy to separate. The parts are glued onto the batten ends with Araldite 2015.

Part No	For batten	Outer Ø mm	Length mm	Packed Qty
R1547-06	6	8	200	10
R1547-08	8	10	200	10
R1547-10	10	12	200	10

**Batten Connectors, Aluminium**

Special anodized aluminium connectors for use with round battens. Allows the joining of round battens of identical, or different diameters to form a tapered effect. Lock the batten into the connectors using double sided tape.

Part No	Connect Batten Ø mm	Packed Qty
R1548 - 0406	4 and 6	10
R1548 - 0608	6 and 8	10
R1548 - 0810	8 and 10	10
R1548 - 1013	10 and 13	10
R1548 - 0606	6	10
R1548 - 0808	8	10
R1548 - 1010	10	10
R1548 - 1313	13	10
R1548 - 1616	16	10

**Stainless Steel Endcaps for vertical round battens**

These end caps are available in a range of lengths and are made of stainless, acid proof steel and are supposed to be used together with the Batten connectors. NOTE: Both 1545-XX and 1547-XX are to be bonded to the batten with Araldite 2045 or similar.

Part No	Dimensions (mm)			
	Ø	Length A	Length B	Outer Ø B
R1545-06-57	6 mm	57	97	8
R1545-06-85	6 mm	85	125	8
R1545-06-150	6 mm	150	250	8
R1545-08-57	8 mm	57	97	10
R1545-08-85	8 mm	85	125	10
R1545-08-150	8 mm	150	250	10
R1545-10-57	10 mm	57	97	12
R1545-10-85	10 mm	85	125	12
R1545-10-150	10 mm	150	250	12



Battens

Slides & Cars

Head/Clew Bds.

Rings

Hardware

Tools

Miscellaneous

Materials

Index A-Z



**PNP Batten Pocket End Snap-On & Batten Pocket Protector**

Part No	Description
HPNP 83	Batten Pocket protector (40mm batten)
HPNP 87	Batten Pocket protector (16mm batten)
HPNP 105	Batten Pocket protector (30mm batten)
HPNP 143	Batten Pocket protector (30mm batten) web-on charcoal grey
HPNP 145	Batten Pocket protector (40mm batten) bolt-on charcoal grey
HPNP 146	Batten Pocket end (40mm batten) web-on
HPNP 147	Batten Pocket end (40mm batten)
HPNP 148	Batten Pocket end (50mm batten) web-on
HPNP 155	Batten Pocket end (22mm x 10mm batten) adjustable web-on
HPNP 160	Batten Pocket end (WR 1,2,3 HEX 1,2,3 OR1 and WS) M10 & adjustable
HPNP 161	Non Adjustable version of the HPNP 160
HPNP 162	Batten Pocket end (OR 1-4) adjustable - M10 Nose
HPNP 163	Non Adjustable version HPNP 162
HPNP 170	Batten Pocket end (24mm x 9mm batten) web-on
HPNP 276	Batten Pocket end (30mm x 14mm or 16mm rod) adjustable - M10 Nose
HPNP 277	Non Adjustable version of the HPNP 276
HPNP 306	Rod batten end, 6-8mm, 10mm thread
HPNP 307	Rod batten end, 10-12mm, 10mm thread
HPNP 308	Rod batten end, 14-16mm, 10mm thread
HPNP 309	Rod batten end, 16-20mm, 10mm thread
HPNP 306A	Rod batten end, 6-8mm, adjustable leech end
HPNP 307A	Rod batten end, 10-12mm, adjustable leech end
HPNP 308A	Rod batten end, 14-16mm adjustable leech end
HPNP 343	Batten Pocket end (40mm batten)



**PNP Leech Batten Adjuster 10mm - 20mm**

Part No	Description
HPNP 286	Leech Batten adjuster 10mm x 6mm batten (Hex 1 & 2)
HPNP 287	Leech Batten adjuster 15.5mm x 7mm batten (Hex 3, WR 1, 2, 3 Gauge 4)
HPNP 288	Leech Batten adjuster 16mm x 8mm batten & Rod 10 and 12.5mm (Gauge 4 & 5)
HPNP 289	Leech Batten adjuster 20mm x 10mm batten (OR1-4)



Note: These photos do not indicate comparable size or scale.



**Batten Receptacles**

The Rutgerston full batten receptacle range sets the standard for quality, durability, easy handling and performance. The fittings are made of a very light and extremely durable composite material with very high UV-resistance.



R1490B



R1595 open



R1595 closed



R1490-1B



R1580



R1585

Part No	Max batten width and thickness
R1490B	12 mm round - flat 42 mm x 6 mm, Black with s/s shackle
R1490-1B	1490 Black without Shackle and without front end
R1580	flat 10 mm, 20 mm x 4 mm, 30 mm x 6 mm, 20 mm x 10 mm, Suit M10 SS stud
R1585	flat up to 25 mm x 10 mm - round up to 10 mm round, Suit M10 SS stud
R1595	flat 25 mm x 10 mm, Suit M10 SS stud

**Batten Receptacle 1587 & 1597**

The batten receptacles 1587 and 1597 are made of a glass fibre reinforced composite which is extremely durable and UV resistant. 1587 is dimensioned for monohulls from 30-42\* feet, whilst the larger 1597 is suitable for boats between 40-52\* feet. Both can be used with either round or flat battens.



The clean and user-friendly design comes from our popular batten receptacle range in aluminum. No tools are required to open the lid. You simply press the

button and slide off the lid whenever you need to insert or remove a batten. The tensioning is easily adjusted with a key and the trimming can be monitored through a window in the lid.

Like all other products from Rutgerson, these batten receptacles are designed and produced in Marstrand, Sweden. They fit any M10 threaded battcars or bolts and can be ordered with titanium screws for carbon sails.

Part No	Product Description	Color	Dimensions [mm]						Suitable OR-batten	Fits battcar ref#	Packed per	Weight [gr]
			A	B	C1	C2	Max width flat batten	Max Ø round batten				
Batten Receptacles												
1587	Batten receptacle	Black	125	61	19	7	20 x 8 30 x 6	10	OR1 - OR2	153x-xx-05 153x-xx-09 152x-xx**	10	208
1597	Batten receptacle	Black	140	60	22	6	20 x10	14	OR1 - OR4	153x-xx-05 153x-xx-09	10	243

\* General recommendation for monohull boats cruising during average weather conditions.

\*\* Together with Slide Connector 1529.





# Batten Receptacles, Aluminum

Rutgerson's batten range in aluminum is especially developed for big boats and high loads, with the largest model suitable for boats up to 90ft mono-hull and 80ft multihull. The design is clean, with no screws or sharp edges.

These receptacles can be used with both round and flat battens and no tools are required to open the lid. You simply press the button and slide off the lid whenever you need to insert or remove a batten. The tensioning can easily be adjusted and the lid has a window to track trim.



Like all other products from Rutgerson, these batten receptacles are designed and produced in Marstrand, Sweden. They are made of black anodized aluminum and stainless steel, and can be ordered with titanium screws for carbon fibre sails.



1601, 1602



1610, 1612



1622, 1624

## Core benefits

- Strong hold
- Clean design
- Easy to install & open
- Large range of sizes
- Made in Sweden

Top Gun. One of the fastest and best campaigned offshore catamarans in Australia. Rutgerson 1610 receptacle, Selden DHW+Boom. RBS Battens, Endumax J4, PowerKote Gennaker, ZLB "Fro"

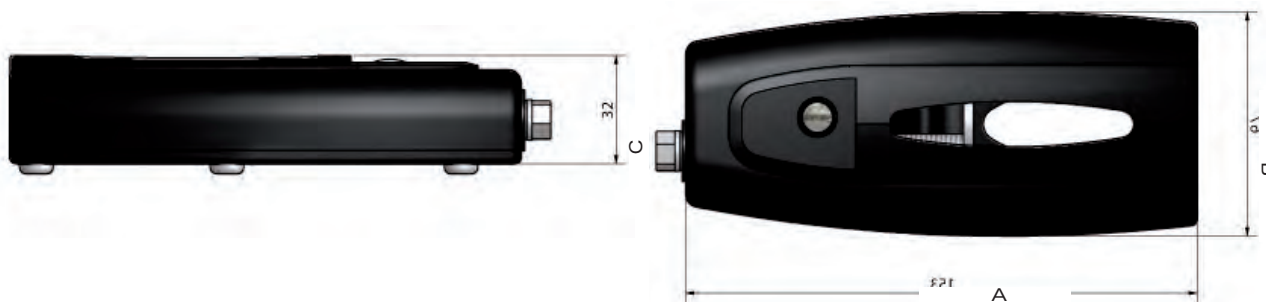


# Batten Receptacles Chart

PartNo	Product description	Dimensions [mm]						Suitable OR-batten	Fits battcar ref #	Weight [gr]
		A	B	C	Battcar thread	Max width flat batten	Max Ø round batten			
<b>Batten Receptacle</b>										
1601*	Batten receptacle 1601	135	55	24	M10	25 x 10	16	OR3 - OR4	1540-xx-06	400
1602**	Batten receptacle 1602	135	55	24	M12	25 x 10	16	OR3 - OR4	1540-xx-05	400
1610	Batten receptacle 1610	153	67	32	M10	34 x 14	22	OR5	1540-xx-06	475
1612	Batten receptacle 1612	153	67	32	M12	34 x 14	22	OR5	1540-xx-05	475
1622	Batten receptacle 1622	227	67	39	M12	36 x 16	26	OR5	1540-xx-05	857
1624	Batten receptacle 1624	227	67	39	M14	36 x 16	26	OR5	any M14 battcar	857
<b>Batten Receptacle with Titanium screw</b>										
1601T*	Batten receptacle 1601T with Titanium screw	135	55	24	M10	25 x 10	16	OR3 - OR4	1540-xx-06	400
1602T**	Batten receptacle 1602T with Titanium screw	135	55	24	M12	25 x 10	16	OR3 - OR4	1540-xx-05	400
1610T	Batten receptacle 1610T with Titanium screw	153	67	32	M10	34 x 14	22	OR5	1540-xx-06	475
1612T	Batten receptacle 1612T with Titanium screw	153	67	32	M12	34 x 14	22	OR5	1540-xx-05	475
1622T	Batten receptacle 1622T with Titanium screw	227	67	39	M12	36 x 16	26	OR5	1540-xx-05	857
1624T	Batten receptacle 1624T with Titanium screw	227	67	39	M14	36 x 16	26	OR5	any M14 battcar	857

\* New improved design released September 2019

\*\* New improved design released the end of 2019





## Pressure Absorbing Slide & Battcar Help Guide

Note, any 16 mm and 19 mm versions are available on special order only.

### Pressure absorbing slide reference:

1. Choose batten fitting.
2. Choose body ref no depending on mast selection.

Wheel size reference no	
5	Standard wheel version
6	Bigger wheel version

Body reference no		For batten fitting
11	Pressure absorbing slide 11mm	Any Web-on
16	Pressure absorbing slide 16mm	Any Web-on
19	Pressure absorbing slide 19mm	Any Web-on
20	Pressure absorbing slide 20mm	Any Web-on
23	Pressure absorbing slide 23mm	Any Web-on

1 5 2 X - XX

### Battcar reference:

1. Choose batten fitting / receptacle.
2. Choose application ref no depending on fitting / receptacle.
3. Choose body ref no depending on mast selection.

Material or wheel size reference no	
0	Standard wheel and material version
1	Bigger wheel and standard material version
5	Standard wheel and high load material version
6	Bigger wheel and high load material version

Application reference no		For batten Fitting or Receptacle
05	Battcar with SS M10 thread	Any M10 Receptacle
10	Intermediate battcar	Any "Web-On" application

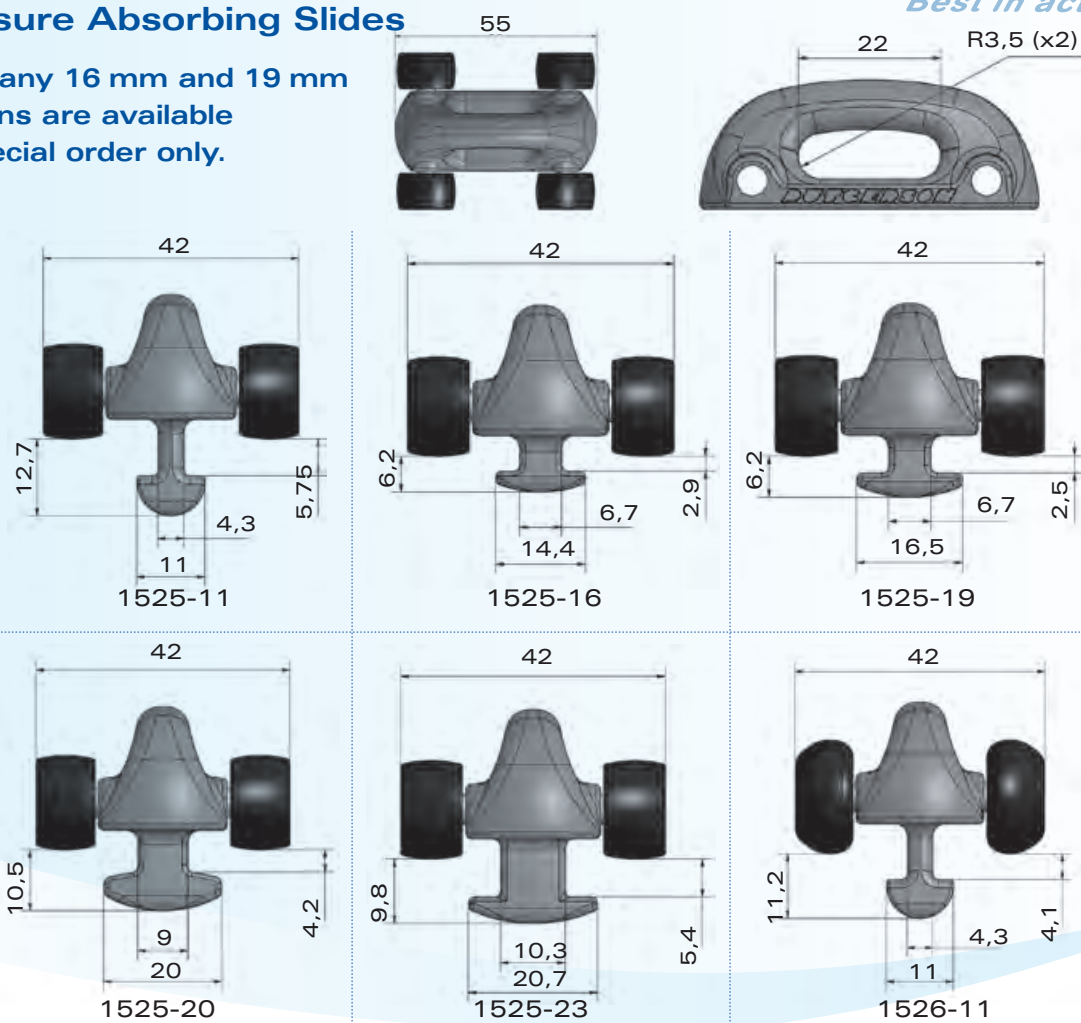
1 5 X X - XX - XX

Size reference no	
3	Regular battcar assortment
4	Limousine battcar Maximum Boatsize 65ft monohull 47ft multihull

Body reference no	
11	Battcar body 1530-11-XX, 1531-11-XX and 1535-11-XX
16	Battcar body 1530-16-XX and 1531-16-XX
19	Battcar body 1530-19-XX
20	Battcar body 1530-20-XX
23	Battcar body 1530-23-XX and 1535-23-XX

**Pressure Absorbing Slides**

Note, any 16 mm and 19 mm versions are available on special order only.



Part No	Description	Wheel O (mm)	Recommended Fitting
R1525-11	Pressure absorbing slide 11mm	15,5	Any "web-on" receptacle
R1525-11E	Pressure absorbing slide 11mm, E-gate	15,5	Any "web-on" receptacle
R1525-16	Pressure absorbing slide 16mm	15,5	Any "web-on" receptacle
R1525-19	Pressure absorbing slide 19mm	15,5	Any "web-on" receptacle
R1525-20	Pressure absorbing slide 20mm	15,5	Any "web-on" receptacle
R1525-23	Pressure absorbing slide 23mm	15,5	Any "web-on" receptacle
R1526-11	Pressure absorbing slide 11mm (big wheels)	19,5	Any "web-on" receptacle

General tolerances for all dimensions equals ±0,5 mm

**Slide Connector 1529**

The Rutgerson Slide Connector is designed to be used as a linkage between our batten receptacles and pressure absorbing slides. It effectively transfers the pressure from the batten onto the slide and works as a cost-efficient alternative to standard battcars on boats up to 35 feet. It is made of stainless steel and black composite and has a threaded M10 stud in one end and a universal toggle in the other and recommended to be used with batten receptacle 1580 or 1587 plus a limited number of other Supplier slides. Please contact us for further details.

Part No	Description	Colour	Thread	Packed Per	Weight [gr]
R1529	Slide Connector	Black	M10	10	42

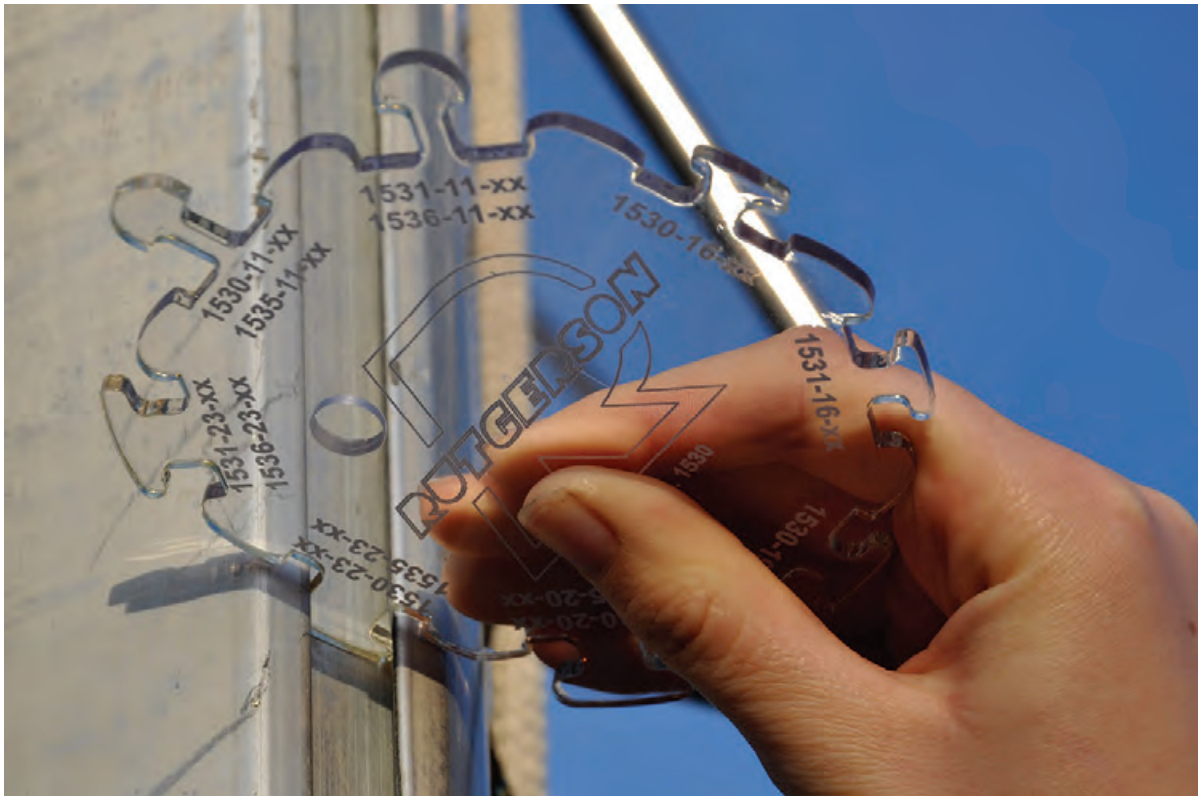


## Rutgerson® Battcar Tester

The new Rutgerson Battcar tester is used to determine which battcar fits the boat mast. Made of durable plastic, it comes in an octagonal shape that includes all Rutgerson battcar profiles. Now designed as a single plate which makes it very easy to use and carry. Article references are clearly marked and the plate can be threaded through a small hole in the middle.



Part No	Description
R1530	Battcar Tester

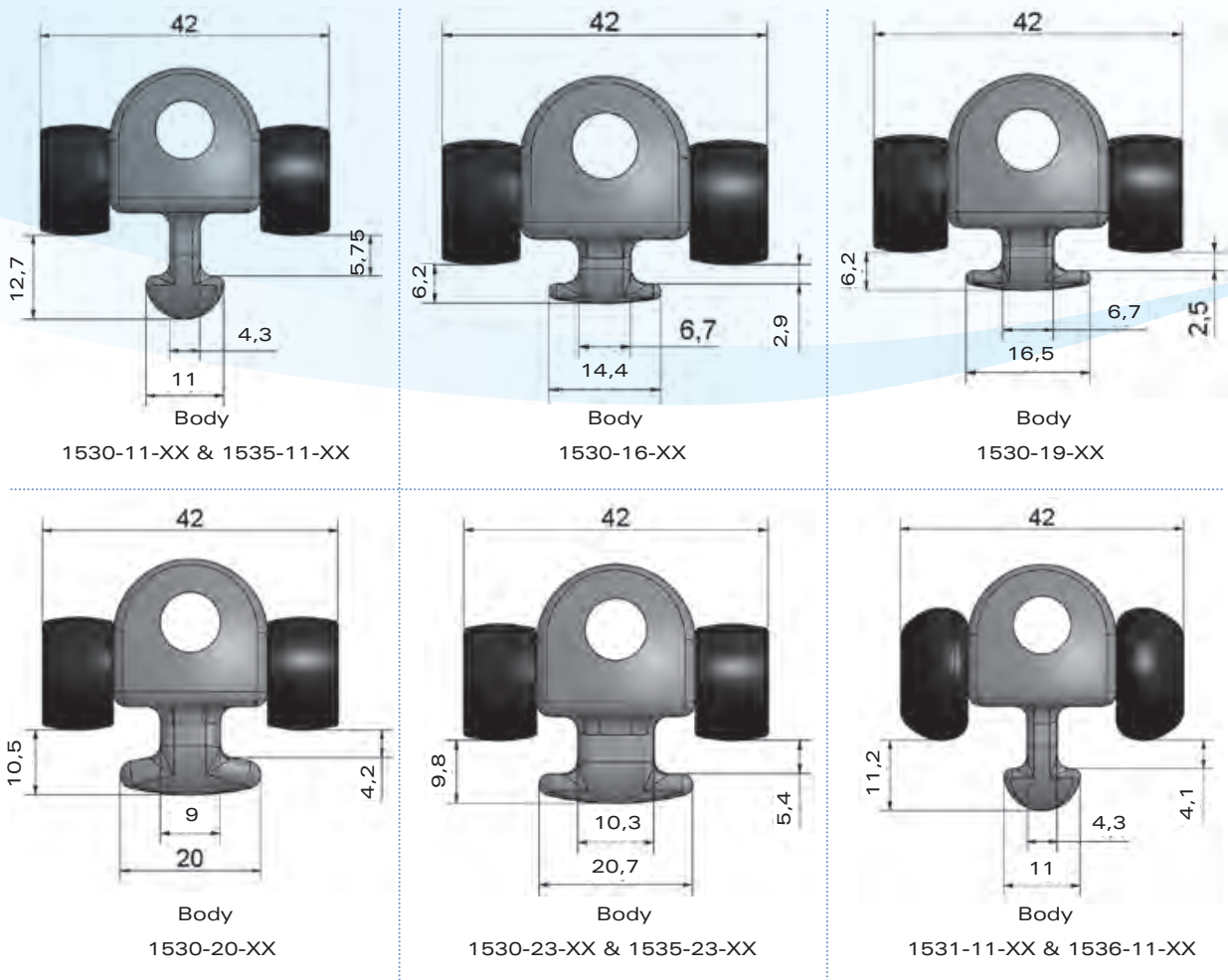


Note, any 16 mm and 19 mm versions are available on special order only.

### Battcars

The Rutgerson Battcar solution has proven to be a winner for sailors on all oceans and in all environments. Available for a wide variety of mast applications, this fullbatten car makes the mainsail safer and simpler to handle and trim whilst sailing by requiring minimum maintenance, and is easy to hoist and lower. All Rutgerson Battcars have a tolerance of 0,5mm.

#### Battcar general dimensions



Height of the above Pressure Absorbing Slides is 66mm.



## Battcar Range

**RUTGERSON**  
Best in action

### 153X-XX-05 With M10 stainless steel thread



1530 -11- 05



1531-11-05



1535 -11 -05



1536 -11- 05

Part No	Approx. Push BL (kg)	Approx. Pull BL (kg)	Wheel Ø [mm]	Description	Slot width (bolt/shackle) [mm]	Height [mm]
R1530-11-05	550	350	15,5	Standard, 11mm, M10	30	66
R1530-11-05E	550	350	15,5	Battcar, 11mm w M10 SS thread, E-gate	30	66
R1530-20-05	550	430	15,5	Standard, 20mm, M10	30	66
R1530-23-05	550	450	15,5	Standard, 23mm, M10	30	66
R1531-11-05	575	350	19,5	Big Wheel, 11mm, M10	30	66
R1535-11-05	785	450	15,5	High Load, 11mm , M10	30	66
R1535-20-05	785	550	15,5	High Load, 20mm , M10	30	66
R1535-23-05	900	575	15,5	High Load, 23mm , M10	30	66
R1536-11-05	785	450	19,5	High Load, Big Wheel, 11mm, M10	30	66

### 153X-XX-10 "Web-On" application (Head Board, Receptacle or Intermediate)



1530 -11-10



1531-11-10



1535 -11-10



1536 -11-10

Part No	Approx. Pull BL (kg)	Description	Wheel Ø [mm]	Height [mm]
R1530-11-10	350	Standard, 11mm , Web-On	15,5	66
R1530-20-10	430	Standard, 20mm, Web-On	15,5	66
R1530-23-10	450	Standard, 23mm, Web-On	15,5	66
R1531-11-10	350	Big Wheel, 11 mm , Web-On	19,5	66
R1535-11-10	450	High Load, 11 mm , Web-On	15,5	66
R1535-20-10	550	High Load, 20mm , Web-On	15,5	66
R1535-23-10	575	High Load, 23mm , Web-On	15,5	66
R1536-11-10	450	High Load, Big Wheel, 11mm , Web-On	19,5	66

Note: These photos do not indicate comparable size or scale.



### Limousine Battcars 1540

The Limousine Battcar is the largest model of the Rutgerson Battcar system and is suitable for boats up to 60ft monohull and 47ft multihull. It is available in 11mm and 23mm profile and M10 or M12 thread.

The Limousine is made of aluminium from a solid extrusion profile, which makes it extremely strong in order to withstand the loads generated under these conditions. There is also an intermediate battcar 1528-23 made of composite with 25mm webbing application.

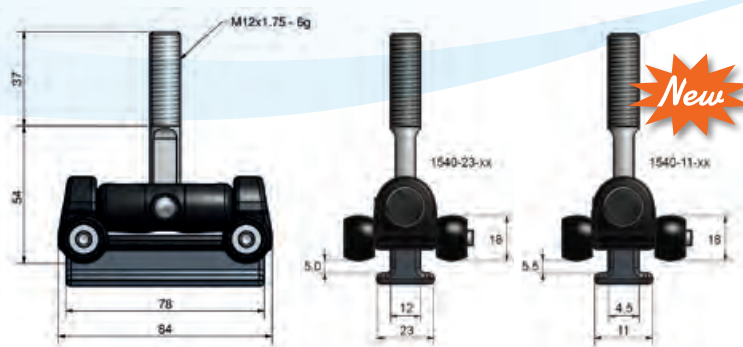


1540-XX-05 (M12)

Part No	Approx. Push BL (kg)	Approx. Pull BL (kg)
R1540-XX-XX	1000	920
R1528-23		920



1528-23



#### LIMOUSINE BATTCAR 1540

Part No	Description	Application	Weight	Wheel (mm)	Recommended Receptacle Fitting	SS Threaded Stud
R1540-23-05	Battcar 23mm high load aluminium	Full batten	235	19	1602 & 1612	12 MM
R1540-23-06	Battcar 23mm high load aluminium	Full batten	235	19	1601 & 1610	10 MM
R1540-11-05	Battcar 11mm high load aluminium	Full batten	235	19	1602 & 1612	12 MM
R1540-11-06	Battcar 11mm high load aluminium	Full batten	235	19	1601 & 1610	10 MM
R1528-23	Pressure absorbing slide 23mm for intermediate high load aluminium	Intermediate	112	19		

**Rutgerson Quick Release Pin**

Part No	Description
R1570-12-32	Quick Release Pin Suits System A*, B and C. *Pre 2019 System A needs the Hole enlarged to take the quick release pin.

The Quick release pin makes it incredibly easy to detach the headboard from the headboard car. The pin replaces the fixed bolt and just by pulling the strap the pin exits the pin hole and the headboard is free. This construction is unique on the market and very user-friendly since the headboard can be detached from a distance. The Quick release pin works not only with the Rutgerson Mainsail System B and C but other brands of headboard systems as well.



R1570-12-32

**Mainsail Headboard Cars**

The headboard cars in black anodized aluminium are robust and easily attached to the corresponding headboard. The system is constructed with either two or three cars that can easily be disassembled from the cheek plate with a retractable circlip on system A and B or Allen key on system C. The initial version of the headboard cars has been upgraded with jointed battcars. The battcars can now move horizontally as well as vertically, which means that the Rutgerson headboard cars can more easily enter the track gate and therefore fit most mast makes and dimensions.

Rutgerson is now filling the gap in the boat segment up to 60ft through the addition of another battcar size, the Limousine 1540. Available in 23mm profile width, this battcar will cover the majority of the larger spar sections from mast makers available on the market, such as HA91 profiles. It is manufactured in aluminium from a solid extrusion profile, which makes it extremely strong in order to withstand the loads developed in these conditions. The new battcar is available in two versions. The 1540-23-05 with M12 stainless steel thread for full batten applications and a high tech composite intermediate version for 25mm webbing applications with product number 1528-23.

**Headboard Car Application & Specification Chart**

Part No	Description	Height mm	Car System	Headboard plate	Weight (g)	Horizontal SWL (kg)
RA111	Headboard car 11mm	140	2 x 1530-11	A1 or A2	230	585
RA111HL	Headboard car 11mm high load	140	2 x 1535-11	A1 or A2	230	650
RA112	Headboard car 11mm big wheels	140	2 x 1531-11	A1 or A2	230	585
RA112HL	Headboard car 11mm big wheels and high load	140	2 x 1536-11	A1 or A2	230	650
RA20	Headboard car 20mm	140	2 x 1530-20	A1 or A2	230	585
RA23	Headboard car 23mm	140	2 x 1530-23	A1 or A2	230	585
RB11	Headboard car 11mm high load	210	3 x 1535-11	B1 or B2	357	685
RB20	Headboard car 20mm high load	210	3 x 1535-20	B1 or B2	357	685
RB23	Headboard car 23mm high load	210	3 x 1535-23	B1 or B2	357	685
RC23	Headboard car 23mm high load	185	2 x 1540-23	C1 or C2	740	1385



System A

System B

System C

**Pressure Absorbing Slide & Battcar Mast Selection Guide**

Rutgerson Battcar ref # 

Mast Supplier ref # 

	1525-11 1530-11-XX 1535-11-XX	1525-16 1530-16-XX	1525-19 1530-19-XX	1525-20 1530-20-XX	1525-23 1530-23-XX 1535-23-XX	1526-11 1531-11-XX 1536-11-XX	1528-23 1540-23-XX
Equivalent Holt Allen		HA89	HA90		HA91		
Sparcraft	F135, F195, F305, F385, F460, I620, S622, I830, S830				NG60, NG70, NG80, NG86, F580, F740, F1060, F1395, S1630, S2100, F2390, F3360, F4600	F35, F50, F67, F78, F101, S137, S180, S260, S330, IMS80, IMS256	F35, F50, F67, F78, F101, S137, S180, S260, S330, IMS80, IMS256
Seldén	1335 <sup>1)</sup>			C137, C153, C156, C175, C193, C211, C227, C245, C264, C285, C304			
John Mast	135D, 148D, 150D, 165D, 167D, 185D, 186D, 208D, 222D, 245D, 280D, 305D, 335D				220E, 262E, 290E	150E, 116E, 125E	220E, 262E, 290E
Z Spars	Z301, Z351, Z380, Z401, Z501, Z531, Z601, Z601 Z701, Z702				Z901, Z1001, Z1250 Z1400	Z170, Z190 Z230, Z265	Z1001, Z1250 Z1400
Soromap	NF200, NF270, NF350, NF430, NF540, NF710, NF1410						

Note: For application in monohull mainsails >50m2 (592sq ft.) use the High Load Battcar versions with reference no 1535-XX-XX. It is also mandatory to applicate all Rutgerson battcars with the assembly screw pointing upwards in the mast gate. It is not recommended to use any of Rutgerson Battcars in mainsails >80m2 (861sq ft.).

1) If the Seldén mast is equipped with a sail entry gate with a cassette with tongue and rubber spring pad, it has to be converted to a track gate insert for fullbatten sails (Seldén part no 505-516-01, 505-524-01)

For information regarding applications in other mast sections than the above specified, please contact Rutgerson or your local distributor.

slides & cars



Pacific Nylon Plastics Australia

Part No	Description
HPNP 17	12mm slug
HPNP 18	10mm slug
HPNP 27	16mm slide
HPNP 28A	19mm slide
HPNP 28	22mm slide
HPNP 29	8mm slug
HPNP 34	large sail slug
HPNP 63	small screw on shackle
HPNP 64	large snap on shackle with lug (47mm)
HPNP 65	large snap on shackle no lug (47mm)
HPNP 81A	small snap on shackle
HPNP 81B	medium snap on shackle
HPNP 102	8mm slug / wire bale L=45mm
HPNP 103	10mm slug / wire bale L=48mm
HPNP 104	12mm slug / wire bale L=50mm
HPNP 106	large screw on shackle with lug
HPNP 107	medium screw on shackle
HPNP 108	large screw on shackle
HPNP 203	22mm slide / stainless steel
HPNP 204	10mm slug / stainless steel
HPNP 272	11mm Selden type slide
HPNP 273	14 mm Selden Type Slide (suit old E Sections)
HPNP 274	15mm Selden type slide
HPNP 275	19mm Selden 19mm x 30mm

Note: These photos do not indicate comparable size or scale.



HPNP 17



HPNP 18



HPNP27



HPNP 28



HPNP 29



HPNP 34



HPNP 64



HPNP 65



HPNP 81A



HPNP 81B



HPNP 102



HPNP 103



HPNP 104



HPNP 106



HPNP 107



HPNP 108



HPNP 203



HPNP 204



HPNP 272



HPNP 273



HPNP 274



HPNP 275



## Pacific Nylon Plastics Australia cont.

Part No	Description
HPNP 278	M10 stud only with toggle to suit lubricated slides
HPNP 290	lubricated slug - 7.5mm
HPNP 291	lubricated slug - 9.2mm
HPNP 292	lubricated slug - 11.5mm
HPNP 293	lubricated slide - 16mm
HPNP 295	lubricated slide - 22mm
HPNP 296	lubricated slide - Selden 15mm
HPNP 297	sail slug 7.5mm
HPNP 298	sail slug 9.0mm
HPNP 299	sail slug 11.5mm
HPNP 304	19mm Selden 19mm x 50mm
HPNP 490A	8mm lubricated slug only with SS pin
HPNP 491A	10mm lubricated slug only with SS pin
HPNP 492A	12mm lubricated slug only with SS pin
HPNP 493A	16mm lubricated slide only with SS pin
HPNP 494A	19mm lubricated slide only with SS pin
HPNP 495A	22 mm lubricated slide only with SS pin
HPNP 496A	15mm lubricated slide only with SS pin
<b>HPNP590</b>	<b>Sail Slug, Metal Insert-8mm / m 10 SS STUD</b>
<b>HPNP590A</b>	<b>Sail Slug , Metal Insert-8mm</b>
HPNP 591	Sail slug, Metal Insert - 10mm / m 10 SS STUD
HPNP 591A	Sail slug, Metal Insert - 10mm
HPNP 592	Sail slug, Metal Insert - 12mm / m 10 SS STUD
HPNP 592A	Sail slug, Metal Insert - 12mm
HPNP 594	Sail slug, Metal Insert - 19mm / m 10 SS STUD
HPNP 594A	Sail Slide, Metal Insert - 19mm
HPNP 595	Sail Slide, Metal Insert - 22mm / m 10 SS STUD
HPNP 595A	Sail Slide, Metal Insert - 22mm
HPNP 596	Sail Slide, Selden Metal Insert - 15mm / m 10 SS STUD
HPNP 596A	Sail Slide, Selden Metal Insert - 15mm

HPNP 590 - 592 Slug Slides



HPNP 594 - 595 Slides



HPNP 596 15 mm Selden Slide



Note: These photos do not indicate comparable size or scale.



HPNP 278



HPNP 290



HPNP 291



HPNP 292



HPNP 293



HPNP 295



HPNP 296



HPNP 297



HPNP 298



HPNP 299



HPNP  
490A-492A



HPNP  
493A-496A

Battens

Slides & Cars

Head/Clew Bds.

Rings

Hardware

Tools

Miscellaneous

Materials

Index A-Z

**Selden IWS (Internal Wheel Support) Slides to suit their new Lateral C137 and C153 Sections**

**Part No Description**

S511-729-02	IWS 45 Sail-Car
S511-729-03	IWS 45 Batten Car
S511-605	Sail Slug

Note: For sail design info on the IWS Slides please refer to the riggers instructions and sailmakers guide on the Selden Website.

**Selden MDS (Multi-Directional Support) slides to suit their current C-sections**

**Part No Description**

S511-702-04	MDS 45 Headboard Assembly
S511-702-02	MDS 45 Intermediate Sail Car
S511-702-03	MDS 45 Full-batten Car
S511-701-04	MDS 68 Headboard Assembly
S511-701-02	MDS 68 Intermediate Sail Car
S511-701-03	MDS 68 Full-batten Car
S511-717-03	MDS 68 Full-batten Car High Load Alu
S511-605	Plastic Intermediate Slide L = 30mm W = 20mm
S511-607	Plastic Intermediate Slide L = 40mm W = 20mm

Note: For sail design info on the MDS Slides please refer the the riggers instructions and sailmakers guide on the Selden Website.

**Rutgerson® Super Ring Integral Slug Slides**



Part No	Ring size	Slug diameter in mm	Waist Thickness in mm	Slug length in mm
R1012-07	For SR14 ring	7	2	48
R1012-09	For SR14 ring	9	2	54
R1014-07	For SR20 ring	7	2	48
R1014-09	For SR20 ring	9	2	54
R1014-12	For SR20 ring	12	2	61
R1016-09	For SR25 ring	9	2	54
R1016-12	For SR25 ring	12	2	61

Note: These photos do not indicate comparable size or scale.

**Rutgerson® Low Friction Round Clew Slides**

These slug slides are moulded in super tough polyamide over a stainless steel plate. These slug slides also fit the cut outs of the 111x- xxx series headboards.

Part No	Max slide diameter in mm	Waist in mm	Slide length in mm
R1201	7mm	2mm	48mm
R1202	12mm	2mm	54mm
R1203	9mm	2mm	48mm
R1204	12mm	2mm	54mm

Note: These photos do not indicate comparable size or scale.



S511 - 729 - 02

S511 - 729 - 03



S511 - 702 - 02

S511 - 702 - 04



S511 - 702 - 03

S511 - 701 - 04



S511 - 701 - 02



S511 - 717 - 03



S511 - 701 - 03

**Selden**



S511-605

**Selden**



S511-607



## Rutgerson® Mainsail System

The new composite headboards are extremely light, while fulfilling the most stringent demands on strength and durability. A combination of this new composite and new manufacturing techniques means maximum strength and minimum weight.

Rutgerson's mainsail system has web-on single headboard plates accompanied by a complete range of headboard cars and battcars to cover the boat segment up to 60ft.

Besides a new bigger battcar, the new system also incorporates our existing battcar range, and will from now on easily be divided into three different application areas in sizes up to 60ft monohull and 47ft multihull.

Instead of having headboards, liners, tools and occasional rivets, you now only need to purchase one single item for your top section.

This added value means:

- Less articles in stock
- Less capitalization in stock
- Faster assembly time
- A more user and service friendly product



System B



System A



R1570-12-32  
Quick Release Pin



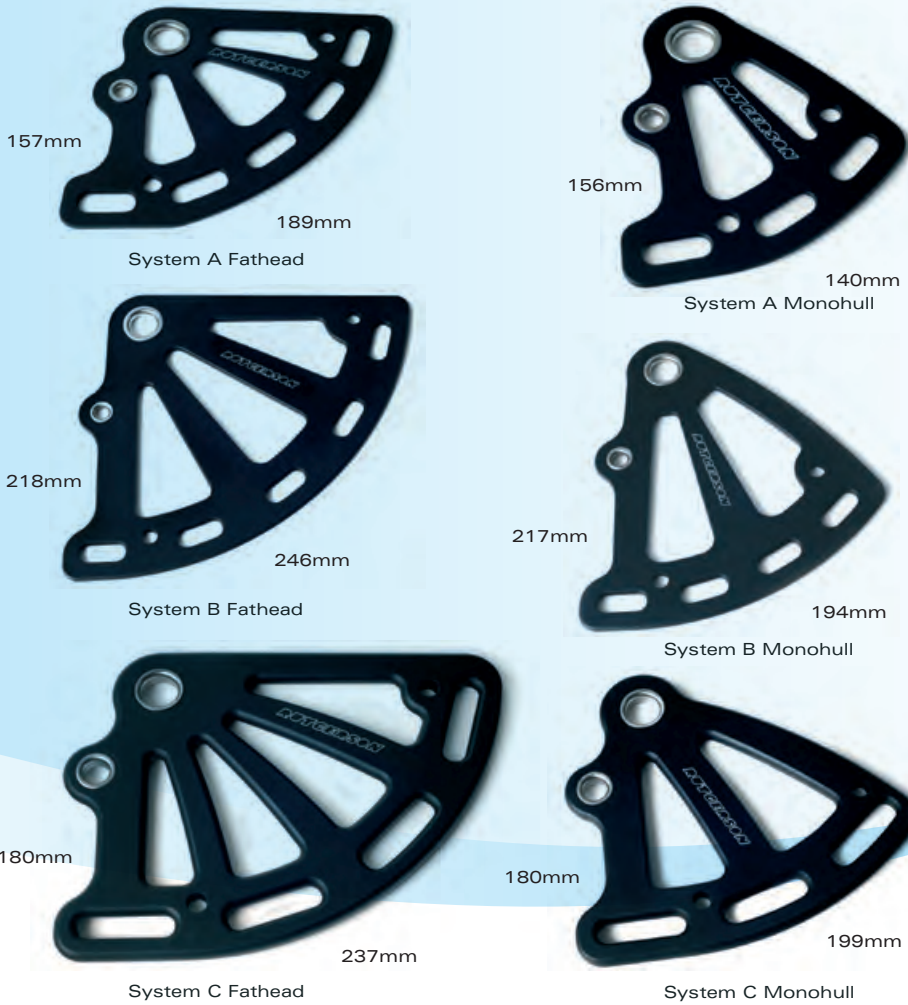
Limousine System C

### Mainsail system A - C Application chart

System	Car system	Monohull	Equivalent sail area	Multihull	Equivalent sail area
A	1530/1531	Up to 38ft	40m <sup>2</sup> / 430ft <sup>2</sup>	Up to 31ft	28m <sup>2</sup> / 300ft <sup>2</sup>
B	1535	Up to 47ft	55m <sup>2</sup> / 590ft <sup>2</sup>	Up to 38ft	40m <sup>2</sup> / 430ft <sup>2</sup>
C	1540	Up to 60ft	80m <sup>2</sup> / 860ft <sup>2</sup>	Up to 47ft	55m <sup>2</sup> / 590ft <sup>2</sup>

**Rutgerson Headboard Application and Specifications**

The web on headboard plates are manufactured in anodized aluminium, and are easily attached to the section by standard webbing sizes. All slots and outer edges are rounded to prevent chafing and both halyard and car attachment holes have pre-pressed stainless steel liners. In racing applications where weight saving and strength plays a significant role, all plates can be custom made in carbon fibre with titanium liners upon request.



Part No	Description	Aspect ratio	Thickness [mm]	Weight [g]	Vertical SWL (Kg)	Webbing slots (mm)	Halyard Ø (mm)	Car pin Ø (mm)
RA1-B	Monohull headboard RA1-Black	40 deg	4	120	850	3 x 30	19	9,5
RA2-B	Multihull and Fat headboard RA2-Black	90 deg	4	160	850	5 x 30	19	9,5
RB1-B	Monohull headboard RB1-Black	40 deg	6	295	1350	4 x 30	19	9,5
RB2-B	Multihull and Fat headboard RB2-Black	90 deg	6	350	1350	5 x 30	19	9,5
RC1-B	Monohull headboard RC1-Black	40 deg	10	485	2800	3 x 40	19	13,5
RC2-B	Multihull and Fat headboard RC2-Black	90 deg	10	600	2200	4 x 40	19	13,5

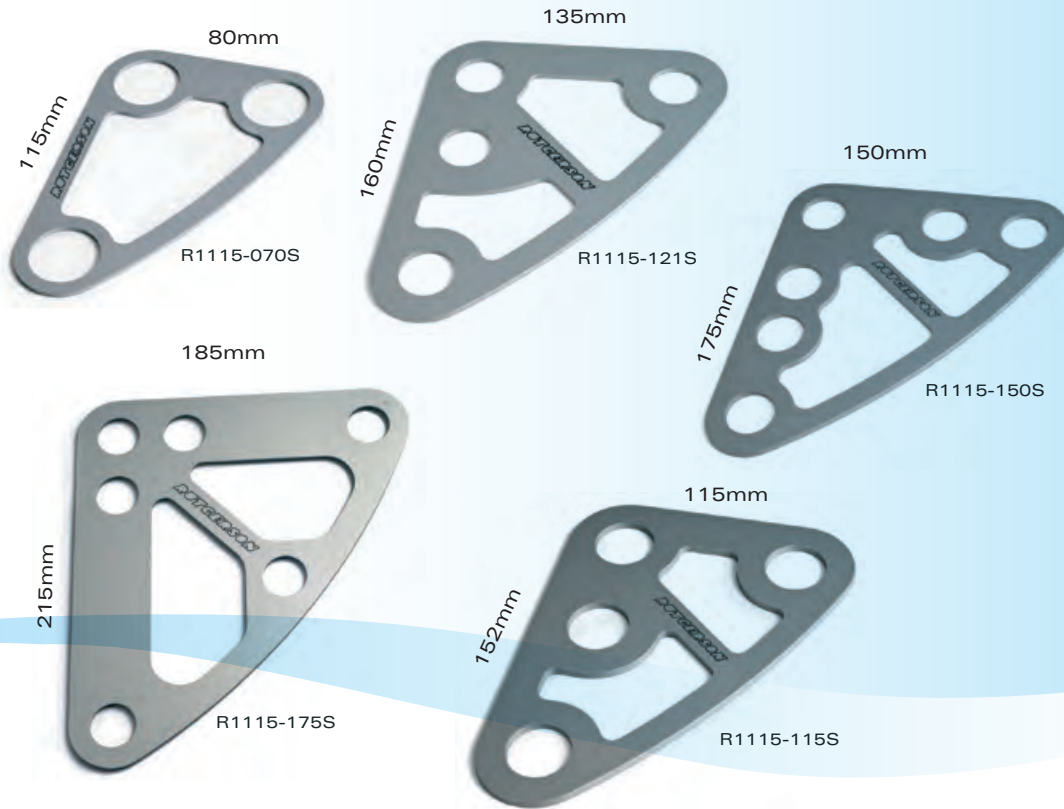
Part No	Description	Size
R1570-12-32	Quick release pin	12 x 32mm



## QFF Quick Flex Fitting Headboards, for liner fastening

Available in both black and silver anodized aluminium, this standard fitting only requires liners and no additional rivets. This makes the assembly of the boards quick and easy, which saves valuable time in sailmakers production by being more efficient. As all boards can be turned to make any straight side the vertical topside, this product will also decrease product variances in stock.

Webbing to add strength and/or spreading loads can be applied through the liners if necessary.



Part No	Description	Length	Dimensions (mm)		Liners required
			Height	Thickness	
R1115-070S	QFF Headboard 115 x 80 x 2 mm, Silver*	80	115	2	3 x 19
R1115-070B	QFF Headboard 115 x 80 x 2 mm, Black	80	115	2	3 x 19
R1115-115S	QFF Headboard 151 x 115 x 3 mm, Silver*	115	152	2	3 x 19
R1115-115B	QFF Headboard 151 x 115 x 3 mm, Black	115	152	3	3 x 19
R1115-121S	QFF Headboard 160 x 135 x 3 mm, Silver*	135	160	3	3 x 19
R1115-121B	QFF Headboard 160 x 135 x 3 mm, Black	135	160	3	3 x 19
R1115-150S	QFF Headboard 175 x 150 x 3 mm, Silver*	150	175	3	4 x 19
R1115-150B	QFF Headboard 175 x 150 x 3 mm, Black	150	175	3	4 x 19
R1115-175S	QFF Headboard 215 x 185 x 3 mm, Silver*	185	215	3	4 x 19
R1115-175B	QFF Headboard 215 x 185 x 3 mm, Black	185	215	3	4 x 19

**SILVER\*  
ONLY WHILE  
STOCKS  
LAST**

### Liner Required 19

Part No	Description	Length mm	"Inner Ø mm"	Outer Ø mm
R1250-194	Liner 20mm #1	16.0	20.0	22.0
R1260-193	Liner 20mm #2	19.0	20.0	22.0
R1250-19	Liner 20mm #3	22.0	20.0	22.0
R1250-192	Liner 20mm #4	26.5	20.0	22.0



## Headboards for Rivet Fastening

These regular headboards for rivet fastening have webbing slots along the luff side for web-on applications. The 1101-135 is made extremely light for usage in dinghies, where weight saving is crucial.



Part No	Description	Dimensions (mm)			Liners required	Rivets required
		Top width	Luff height	Thickness		
R1101-135	Headboard 135x185x1,5mm	135	185	1,5	3 x 14	26
R1102-075	Headboard 75x103x2mm	75	103	2,0	1 x 19	9
R1102-090	Headboard 90x120x2mm	90	120	2,0	1 x 19	10
R1102-115	Headboard 112x140x2mm	112	140	2,0	1 x 19	21
R1102-135	Headboard 185x135x2mm	185	135	2,0	1 x 19	32
R1103-135	Headboard 185x135x3mm	185	135	3,0	1 x 19	32
R1103-160	Headboard 160x220x3mm	160	220	3,0	1 x 19	45

### Liner Required 14

Part No	Description	Length mm	"Inner Ø mm"	Outer Ø mm
R1250-14	Liner 14mm #1	15.0	14.0	16.0
R1250-142	Liner 14mm #2	19.0	14.0	16.0

### Liner Required 19

Part No	Description	Length mm	"Inner Ø mm"	Outer Ø mm
R1250-194	Liner 20mm #1	16.0	20.0	22.0
R1250-193	Liner 20mm #2	19.0	20.0	22.0
R1250-19	Liner 20mm #3	22.0	20.0	22.0
R1250-192	Liner 20mm #4	26.5	20.0	22.0

## One-Design Headboards, for rivet fastening

These two headboards suit many One-Designs.

Part No	Description	Dimensions (mm)			Liners required	Rivets required
		Top width	Luff height	Thickness		
R1102-112	One-Design Headboard 112x140x2mm	112	140	2,0	1 x 19	11
R1102-113	One-Design Headboard 112x140x2mm	112	140	2,0	3 x 19	11

## Heavy Duty Headboards

These Heavy-Duty headboards are mainly aimed for cruising yachts, and especially for fully battened mainsails. The top shape of the headboards prevents them from being hooked in the backstay when tacking.

Part No	Description	Dimensions (mm)			Liners required	Rivets required
		Top width	Luff height	Thickness		
R1120-125	Heavy Duty Headboard Small	125	140	2,5	4 x 19	11
R1120-170	Heavy Duty Headboard Medium	170	195	3,0	4 x 19	12
R1120-210	Heavy Duty Headboard Large	210	230	4,0	5 x 19	13

## FFC Flex Fitting Composite Headboards

The FFC Flex Fitting Composite headboard is available in a wide range of sizes and thicknesses, and is a cost efficient solution for dinghy and One-Design applications. These headboards are made in a strong polyamide composite material.

Part No	Description	Dimensions (mm)			Liners required	Rivets required
		Top width	Luff height	Thickness		
R1104-090	FFC Composite Headboard #1	70	90	2,0	1 x 14	7
R1105-090	FFC Composite Headboard #2	70	90	2,0	1 x 14	7
R1105-115	FFC Composite Headboard #3	100	115	3,0	3 x 14	8
R1105-135	FFC Composite Headboard #4	115	135	4,0	3 x 19	14



R1104-90



R1105-090



R1105-115



R1105-135



R1102-112



R1102-113



R1120-125



R1120-170



R1120-210

Battens

Slides & Cars

Head/Clew Bds.

Rings

Hardware

Tools

Miscellaneous

Materials

Index A-Z

**PNP (Pacific Nylon Plastics) Headboards**

Part No	Description	Qty
HPNP 247	75mm x 100mm headboard 14mm liner	10
HPNP 248	100mm x 115mm headboard 14mm liner	10
HPNP 375	90mm headboard charcoal grey 14mm liner	10
HPNP 376	125mm headboard charcoal grey 14mm liner	10
HPNP 377	150mm headboard charcoal grey 19mm liner	10



**Adjustable (Self Tacking) Jib Clew Board for Skiffs and off the Beach Cats**

Part No	Description	Size
R1194-014B	Clew Board Skiff & Cat	150 x 35 x 4mm



AX40-Skiff Jib with R1194-014B Clew Board.



## QFI Quick Fitting Inverted ST-jib Clewboards, for liner fastening

Part No	Description	Dimensions (mm)			Liners required
		Length	Width	Thickness	
R1191-018S	QFI Clewboard #3 Silver*	183	45	3,0	5 x 19
R1191-018B	QFI Clewboard #3 Black	183	45	3,0	5 x 19
R1191-025S	QFI Clewboard #2 Silver*	258	55	3,0	6 x 19
R1191-025B	QFI Clewboard #2 Black	258	55	3,0	6 x 19
R1191-031S	QFI Clewboard #4 Silver*	305	60	4,0	7 x 23
R1191-031B	QFI Clewboard #4 Black	305	60	4,0	7 x 23

**SILVER\*  
ONLY WHILE  
STOCKS  
LAST**



R1191-025S



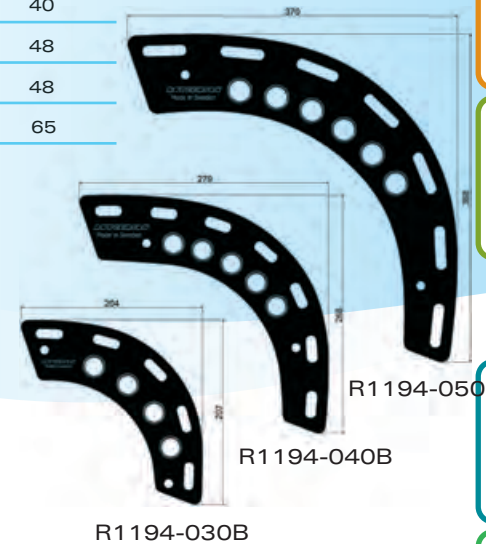
R1191-031S



## ST-jib Clewboards, for webbing fastening

Rutgerson clewboards for three sizes of webbing fastening made of black anodised aluminium plates. The webbing slots are smoothly rounded in order to prevent chafing for maximum durability. No liners required.

Part No	Description	Dimensions MM	Thickness MM	Sheet Positions MM	Webbing Slots MM	Max Monohull FT
R1194-030B	Clewboard Webbing A	204 x 207	4	4 x 19	5 x 30	40
R1194-030B-HL	Clewboard Webbing A	204 x 207	6	4 x 19	5 x 30	40
R1194-040B	Clewboard Webbing B	279 x 268	6	5 x 19	7 x 30	48
R1194-040B-HL	Clewboard Webbing B	279 x 268	8	5 x 19	7 x 30	48
R1194-050B	Clewboard Webbing C	370 x 368	10	6 x 23	7 x 40	65



R1194-030B

R1194-040B

R1194-050B



R1190-045

R1190-050

R1190-070

R1190-080

R1190-090

## ST-jib Clewboards, for rivet fastening

Part No	Description	Dimensions (mm)			Liners required	Rivets required
		A	B	Thickness		
R1190-045	Clewboard #1	220	45	2,0	4 x 19	6
R1190-050	Clewboard #3	190	50	2,0	5 x 14	5
R1190-070	Clewboard #2	230	70	2,0	5 x 14	14
R1190-080	Clewboard inverted	275	75	2,0	6 x 14	15
R1190-090	Clewboard #9	260	90	3,0	5 x 19	14

**Liners, SS AISI 316 for Head - and Clewboards**

AISI 316 Stainless Steel liners and Closing tools for headboards and clewboards.  
All liners must be pressed with Rutgerson liner closing tools.

**Liner Required 14**

Part No	Description	Length mm	"Inner Ø mm"	Outer Ø mm
R1250-14	Liner 14mm #1	15.0	14.0	16.0
R1250-142	Liner 14mm #2	19.0	14.0	16.0

**Liner Required 19**

Part No	Description	Length mm	"Inner Ø mm"	Outer Ø mm
R1250-194	Liner 20mm #1	16.0	20.0	22.0
R1250-193	Liner 20mm #2	19.0	20.0	22.0
R1250-193	Liner 20mm #3	22.0	20.0	22.0
R1250-192	Liner 20mm #4	26.5	20.0	22.0

**Liner Required 23**

Part No	Description	Length mm	"Inner Ø mm"	Outer Ø mm
R1250-23	Liner 23mm #1	17.0	23.0	25.0
R1250-232	Liner 23mm #2	19.0	23.0	25.0
R1250-233	Liner 23mm #3	22.0	23.0 </td <td>25.0</td>	25.0
R1250-234	Liner 23mm #4	26.5	23.0	25.0

**Closing Tools for Liners**

Part No	Description
R1260-14	Closing tool for 14mm Liners
R1260-19	Closing tool for 19mm Liners
R1260-23	Closing tool for 23mm Liners

LINERS



R1260XX Closing Tool for Liners



Nacra 20 Using Contender Endumax 05 GP (3.4oz) and Maxikote 100





## Fasteners & Tools for Head and Clewboards

**Rivets and Closing Tools.** Aluminium solid rivets for headboards and clewboards. Rutgerson rivets should only be pressed with Rutgerson closing tool for rivets.

### RIVETS, Solid Aluminium for Head - and Clewboards

Part No	Description	Dimensions (mm)	
		Outer Ø	Length
R2141-12	Rivet, solid Alu 12mm	5,0	12
R2141-14	Rivet, solid Alu 14mm	5,0	14
R2141-16	Rivet, solid Alu 16mm	5,0	16
R2141-20	Rivet, solid Alu 20mm	5,0	20

### Closing Tool for Rivets

R1230	Closing tool for 5mm solid Alu rivets
-------	---------------------------------------



## Clewblocks

Rutgerson's Clewblocks come with 60mm, 80mm or 100mm removable acetal Sheave and are available in both silver and black 25 µm anodized cheek plates. The webbing slots are smoothly rounded in order to prevent chafe for maximum durability and the appliance angles of the slots have been improved to better line up with the aspect ratio of the sail.

The sheave can easily be removed by unscrewing the M5 bolt that assembles the construction through a SS socket.

### General Dimensions & Properties

Part No	Description	Sheave material	Sheave Ø	Cheek plate thickness	For webbing width	Max rope Ø	Approx SWL
R1692-060B	Clewblock 60, Black	Composite	60mm	3mm	30mm	12mm	1200kg
R1692-080B	Clewblock 80, Black	Composite	80mm	4mm	40mm	16mm	1650kg
R1692-100B	Clewblock 100, Black	Composite	100mm	4mm	40mm	16mm	3000kg



R1692-060B



R1692-060S\*

SILVER\*  
ONLY WHILE  
STOCKS  
LAST

**Reefblocks by Rutgeron**

Spherical plain bearings are used in the range, which render the blocks very strong and completely maintenance free. Plain bearings will never deform under static high loads like ball bearings and our blocks do not require the initial excess of power for the sheave to start moving, which is a common problem with ball bearing blocks.

Part No	Description	Sheave Ø (mm)	Length (mm)	Safe working load (kg)	Breaking load (kg)	Rope dia. (mm)	Weight (gr)
RB300305	Single 35 with strap head	35	55	450	850	3 - 8	5
RB300505	Single 50 with strap head	50	80	700	1250	4 - 12	80
RB300605	Single 60 with strap head	60	94	1500	2100	6 - 14	155
RB300805	Single 80 with strap head	80	130	2000	3600	6 - 14	333

Webbing Block



**Selden Low Friction Rings**

Selden low friction rings are made of black anodised aluminium and a simpler, lighter alternative to a plain bearing block. Suitable for backstay cascades, barber haulers, kicker tackles or any other application with static load.

Part No	Description	OD MM	ID MM	Safe Work Load KG	Break Load KG	Max Line Size MM
S420-500	Low Friction Ring	12	5	150	300	3
S420-501	Low Friction Ring	18	8	350	700	5
S420-502	Low Friction Ring	25	11	750	1500	7
S420-503	Low Friction Ring	35	16	1500	3000	10
S420-504	Low Friction Ring	50	22	3000	6000	20
S420-505	Low Friction Ring	70	30	6000	12000	30

Note: Image is representative and not to scale.



S420-503



**Over Head Leech-Line Blocks**

Part No	Description
S402-101-12R	Ball Bearing Block 20mm Tie On (7 grams) SWL 100kg
S402-101-13R	Ball Bearing Block 20mm Cheek (6 grams) SWL 100kg



S402-101-12R



S402-101-13R



## **RELIABILITY**

# **There is only one original!**

Situated in Sweden's principal sailing centre - Marstrand - Rutger'son has developed innovative high quality equipment for demanding yacht owners since the early '70s. In our line of sail hardware, you will recognise a range of market leading products.

For more details visit our web site at [www.rutgerson.se](http://www.rutgerson.se)

# **RUTGER'SON**

*Best in action*

Battens

Slides & Cars

Head/Clew Bds.

Rings

Hardware

Tools

Miscellaneous

Materials

Index A-Z



## Rutgerson® Super Rings

The Rutgerson Super-Ring system leads the way in a new generation of sailmaking hardware.

The SR-rings are made of a high grade molybdenum stainless steel ( better than AISI 316 ). They are light, strong, thin and corrosion resistant. They are easy to install or remove, reliable and competitively priced. Rutgerson Super Rings are the benchmark for sailmaking rings and used by the majority of sailmakers in the world today.

The rings are made up of three parts : toothed washer, centre piece and plastic insert. Remember only Rutgerson rings have their own ingenious ring remover see page 48.



Description	Final inner Ø of ring in mm	Use hole punch Ø in mm	Patch weight in US oz	Press force on dies	Approx Max Load in kg	Box qty
SR10	10 mm	11 mm	25-35 oz	by hand	150-250	100
SR12	12 mm	13 mm	25-35 oz	by hand	300-350	100
SR14	14 mm	15 mm	25-40 oz	3-5 ton / by hand	350-500	100
SR14 Long	14 mm	15 mm	25-40 oz	3-5 ton / by hand	350-500	50
SR20	20 mm	22 mm	40-70 oz	11-13 ton	700-1500	100
SR20 Light Duty	20 mm	22 mm	30-70 oz	8-10 ton	600-1125	100
SR25	25 mm	28 mm	50-70 oz	15 ton	1000-1600	100
SR25 Light Duty	25 mm	28 mm	50-70 oz	11-13 ton	750-1300	100
SR35	35 mm	38 mm	70-90 oz	22 ton	1455-2045	50
SR45	45 mm	48 mm	80-100 oz	25 ton	2000-2500	20
SR55	55 mm	60 mm	80-100 oz	25 ton(1st press)	2800-3200	1

## Rutgerson® Titanium Super Rings

Rutgerson has taken the famous Super Ring concept to the next level by making the latest version out of titanium. The titanium rings weigh 50% less than the super rings made of stainless steel. Titanium is a non conductive material , so it is the best insurance against corrosion.

Description	Final inner Ø of ring in mm	Use hole punch Ø in mm	Patch weight in US oz	Press force on dies	Approx Max Load in kg	Box qty
SR14	14mm	15mm	25-40oz	3-5 ton by hand	350-500	30
SR20	20 mm	22 mm	40-70 oz	11-13 ton	700-1500	20
SR25	25 mm	28 mm	50-70 oz	15 ton	1000-1600	20
SR35	35 mm	38 mm	70-90 oz	22 ton	1455-2045	25
SR45	45 mm	48 mm	80-100 oz	25 ton	2000-2500	10

Part No	Description
R1000-10	SR10
R1000-12	SR12
R1000-14	SR14
R1000-14L	SR14 Long
R3000-14	SR14 Titanium Ring
R1000-20	SR20
R1000-20LD	SR20 Light Duty
R3000-20	SR 20 Titanium Ring
R1000-25	SR25
R1000-25LD	SR25 Light Duty
R3000-25	SR 25 Titanium Ring
R1000-35	SR35
R3000-35	SR 35 Titanium Ring
R1000-45	SR45
R3000-45	SR 45 Titanium Ring
R1000-55	SR55



Titanium Super Ring

## Stainless Steel Round Rings

Highly polished 316 stainless steel and TIG welded for 100% reliability.

Part No	Internal Diameter ID in mm	Bar Thickness T in mm	Breaking Load in kg
HLCT 0713	25mm	5mm	1750Kg
HLCT 0716	30mm	5mm	1750Kg
HLCT 0717	35mm	6mm	3000Kg
HLCT 0718	30mm	6mm	3000Kg
HCGRE (EX USA)	32mm	8mm	5137Kg
HLCT 0720	40mm	6mm	3000Kg
HLCT 0721	40mm	8mm	4750Kg
HCGRH (EX USA)	38mm	9.5mm	7386Kg
HLCT 0723	45mm	8mm	3000Kg
HLCT 0725	50mm	8mm	4750Kg
HLCT 0728	60mm	8mm	4750Kg
HLCT 0729	75mm	8mm	4750Kg
HLCT 0916 (D Ring)	35mm	4mm	



## Stainless Steel Maxi Rings ex USA

Highly polished 316 stainless steel and TIG welded for 100% reliability.

Part No	Internal Width for webbing in mm	Bar Thickness T in mm	Breaking Load in kg
HCGRW	38mm	9.5mm	8164
HCGRX	51mm	11.1mm	11500
HCGRY	63mm	12.7mm	13607
HCGRZ	75mm	15.9mm	22226



## Stimpson® Spur Toothed Grommets Nickel Plated

Top quality American made Stimpson grommets. The preferred choice where a substantial grommet is required for strength and reliability.

Part No	Grommet Size	Inner Diameter in mm	Boxed Qty
HCGN0	No 0	6.3mm	144
HCGN1	No 1	7.9mm	144
HCGN2	No 2	9.4mm	144
HCGN3	No 3	11.1mm	144
HCGN4	No 4	12.7mm	144
HCGN5	No 5	15.8mm	144



Battens

Slides & Cars

Head/Clew Bds.

Rings

Hardware

Tools

Miscellaneous

Materials

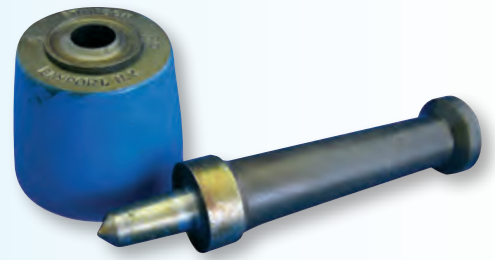
Index A-Z



## Closing Tool For Stimpson® Grommets

Top quality hardened tools to compliment the Stimpson grommets range. Use plastic faced hammers (see page 55) and when using hardened tools always wear appropriate protective eye covering in case of the tool shattering.

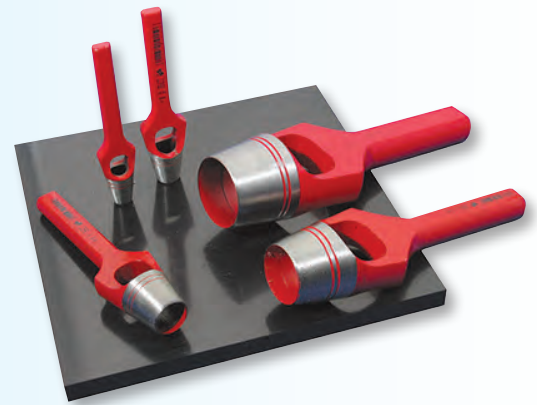
Part No	Grommet Size
HCGC0	No 0
HCGC1	No 1
HCGC2	No 2
HCGC3	No 3
HCGC4	No 4
HCGC5	No 5



## Hole Punches

These hole punches are produced from high quality tool steel to an exact specification. They are long lasting and trouble free. Use a plastic faced hammer (see page 55).

Part No	Hole Diameter in mm	Use for Ring or Grommet
R1060-09	9mm	No 0
R1060-11	11mm	No 1 & SR10
R1060-13	13mm	No 2-No 3 & SR12
R1060-15	15mm	No 4 & SR14
R1060-19	19mm	No 5
R1060-22	22mm	No 6 & SR20
R1060-28	28mm	SR25
R1060-38	38mm	SR35
R1060-48	48mm	SR45
R1060-60	60mm	SR55
HCTGCP	Vinyl Cutting Pad	



## Rutgerson® Wire Support Thimble Fitting

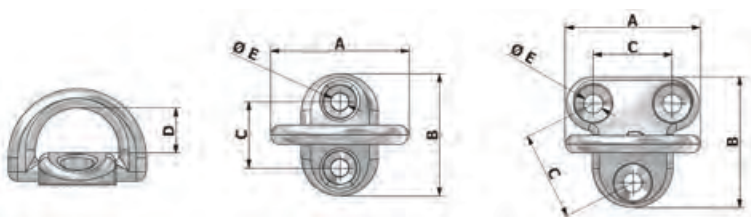
Part No	Max Wire Ø in mm	For SR-Ring
R1020-14	5	SR14L - Box =100
R1020-20	6	SR20 - Box =100
R1020-45	8	SR45 - Box = 25



## Symmetrical Padeyes

The padeyes are made of high quality stainless steel and available in three different sizes. These are excellent for mounting blocks on deck or as attachment points for safety lines, staysails, reefing blocks, jibe preventors and many other applications. The rings change angle and fold down when not under load to minimise risk of hurting the crew and equipment.

Part No	A MM	B MM	C MM	D MM	E MM	Safe Work Load KG	Break Load KG	Price Each
RE030010	43	40	23	14	5.5	850	150	\$13.90
RE030020	45	39	27	16	6.5	110	2200	\$25.70
RE030030	60	58	35	21	8.5	1750	3500	\$36.85



## Rutgerson® Super Ring Press Tools

Replacement parts are no longer available. For best results lubricate. Do not over press as this will damage your tools. The press tools for the SR10 and SR12 are suitable for hand hammering or hydraulic press operation.

The SR55 requires a two step pressing and is done using a three part closing tool. Do not try to press in Super Rings with any other tools other than original Rutgerson press tools.

Part No	Ring size	Description	Force
R1030-10	SR10	Press tool	by hand
R1030-12	SR12	Press tool	by hand
R1030-14	SR14	Press tool	3-5 ton / by hand
R1030-25	SR25	Press tool	15 tons
R1030-35	SR35	Press tool	22 tons
R1030-45	SR45	Press tool	25 tons
R1030-55	SR55	Press tool	25 tons

To avoid corrosion on Carbon sails, pre-clean tools before proceeding with Titanium Rings.



## Rutgerson® Super Ring Removing Tools

Rutgerson is the only ring manufacturer that can offer a Ring Removing Tool for their rings.

This is a simple yet well engineered tool that quickly presses rings from the sail without damaging or weakening the structural integrity of the sailcloth. The hydraulic press operated tool has reduced a two hour operation to one that takes less than 30 seconds.

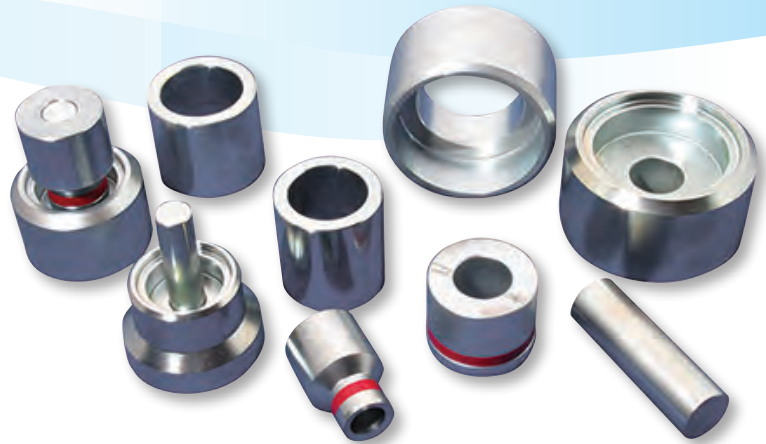
New rings may be pressed into the sail immediately, using the same holes in the cloth for the new toothed ring.

Place the pressed ring on the lower die with the teeth washer on top and the rolled liner on the bottom, seated in the lower die. Place the top punch over the guide post with cutting edge down on top of the ring.

The cutting edge is recognised by its "concave" shape. Press until bottom of the ring has sheared completely free of the toothed ring, or until bottom of red band on punch. To remove the remaining toothed washer, place the patch on top of the support cup. Use a screwdriver or similar to punch out the toothed washer.

These tools can be hired for cost effective occasional use.

**Please ensure lubricants are used when using these tools.**



Part No	Ring size
R1040-14	For SR14 ring
R1040-20	For SR20 ring
R1040-25	For SR25 ring
R1040-35	For SR35 ring
R1040-45	For SR45 ring
R1040-55	For SR55 ring

Battens

Slides & Cars

Head/Clew Bds.

Rings

Hardware

Tools

Miscellaneous

Materials

Index A-Z

**Gran-Segel® & PNP Leech Line Cleats**

Part No	Ref	Length in mm	Width in mm	Line size in mm
HLGS1	Gran No1	30mm	20mm	1 - 2.5mm

**Part No Description**

HPNP177	1-2mm leech line cleat
HPNP178	3-5mm leech line cleat

HPNP25A	closed leech line cleat
---------	-------------------------



**Erne Born Cleats**

Part No	Ref	Length in mm	Line size in mm
R2215-01	Medium No 2	43mm	2-4mm
R2215-02	Large No 3	58mm	3-6mm



**Clam-Cleat® Rope Cleats**

Dinghy leech line cleat White Nylon. To suit line up to 3mm

**Part No Component**

HLCL 221	Complete with rivets and backing plate
----------	--



Leech line cleat White Nylon. To suit line from 2 to 5mm Mount starboard.

**Part No Component**

HLCL 212	Cleat only
HLCL 212BP	Backing plate



HLCL 212

Leech line cleat White Nylon To suit line from 2 to 5mm. Mount port.

**Part No Component**

HLCL 214W	Cleat only
HLCL 212BP	Backing plate

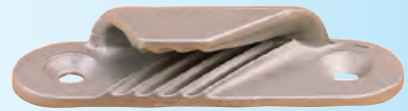


HLCL 214

## Clam-Cleat® Rope Cleats

Aluminium racing cleat. To suit line from 3 to 6mm. Mount starboard.

Part No	Component
HLCL 258	Cleat only Silver
S432-021R	Cleat only Black
HLCL 212BP	Backing plate



HLCL 258 / 259

Aluminium racing cleat. To suit line from 3 to 6mm. Mount port.

Part No	Component
HLCL 259	Cleat only Silver
S432-022R	Cleat only Black
HLCL 212BP	Backing plate



HLCL 233

Sail line cleat White Nylon. To suit line from 3 to 6mm. Mount starboard, hand sew to sail.

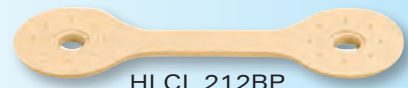
Part No	Component
HLCL 233	Cleat only
HLCL 233BP	Backing Plate



HLCL 241 / 273

Aluminium racing cleat. To suit line from 3 to 6mm. Mount port.

Part No	Component
HLCL 241	Cleat only Silver (S432-033R for black version)
HLCL 212BP	Backing plate



HLCL 212BP

Aluminium racing cleat. To suit line from 3 to 6mm. Mount starboard.

Part No	Component
HLCL 273	Cleat only Silver (S432-034R for black version)
HLCL 212BP	Backing plate



HLCL 212A

Backing Plate for use with CL 212, CL 214, CL 258, CL 259, CL241 & CL273

Part No	Component
HLCL 212BP	Backing Plate

Cleat Cover for use with CL 212.

Part No	Component
HLCL 212A	Cleat cover

## Clam-Cleat® Sail Edge Cleats

Semi-flexible sides make it easy to fit to the sail. Adjust from either side of the sail. Smooth profile - snag free. Strong and impact resistant. Nylon or Alloy Cleats available. Ideal for lower load applications. To suit line from 1- 4mm.

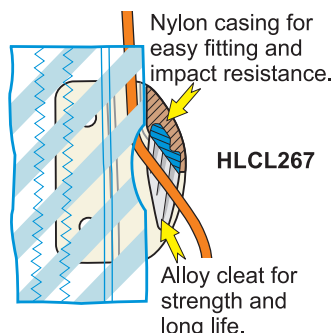
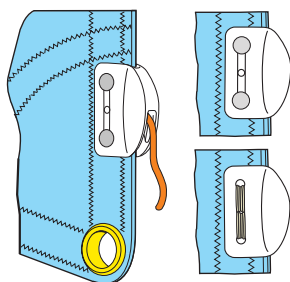
Part No	Component
HLCL 267	Racing Sail Edge Cleat
HLCL 269	Sail Edge Cleat



HLCL 267



HLCL 269





**Swedish™ Piston Hanks, HPNP Small Piston Hank & Bronze Jib**

Swedish brass forged Piston Hanks are recognised worldwide for reliability and consistent quality.

Part No	Size No	Overall length in mm	Max forestay in mm
HLHK 5040	No0	40mm	8mm
HLHK 5050	No1	50mm	9mm
HLHK 5060	No2	60mm	12mm
HLHK 5070	No3	70mm	15mm
HLHK 5080	No4	80mm	17mm
HLHK 5090	No5	90mm	20mm

Part No	Description
HPNP 88AK	Glass/Carbon/Kevlar Hank 6mm or 1/4" wire
HLSR72483	WICHARD BRONZE JIB 55mm / 9mm
HLSR72486	WICHARD BRONZE JIB 50mm / 7.5mm
HLSR72487	WICHARD BRONZE JIB 65mm / 11mm



HLHK 5040



HPNP88AK



HLSR72483



**Rutgerson RONDO® - Chafe Protectors**

- >> The Rutgerson Rondo will save your sails and make your sailing much easier.
- >> Clip-On system - The Rondo is pre-drilled to fit 6mm wire, but fit up to 11mm wire, just re-drill to required diameter of hole.
- >> On life lines - Place one Rondo in front of each stanchion and Rondo® helps the foot of the genoa roll over the life lines. Keeping the crew off foredeck when tacking.
- >> On shrouds close to spreaders - A Rondo above each spreader protects the mainsail and genoa from chafe on spreader ends.
- >> On upper part of backstay, when sailing with a fully battened mainsail - Rondo® helps the upper leech of fully battened mainsails past the backstay, and so reduces chafe.
- >> On inner forestay - Rondo makes tacking around an inner forestay quicker & easier.
- >> One unit consists of two identical pieces.

Part No	Colour	Outer diameter of Rondo in mm
R1800	White only	70mm

**Sail Hank High Load (Alloy)**

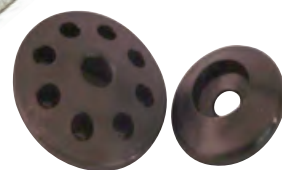
Note: Matching parts should be rounded, smooth, and with no sharp edges or burrs. Dyneema and Polyester webbing are both coated with an UV coating, recoat when worn for long life. It is recommended that webbing should be replaced when worn. Use High load Hanks for top and bottom connections. Perfect for Composite stays.

Part No	Inner Ø (mm)	Outer Ø (mm)	MWL (kg)	WT(g)
SH05	7.5	20	1.500	3
SH06	9	24	2.000	9
SH08	12.5	33	2.500	15
SH010	15.5	41	3.500	30
SH012	21	58	6.000	71

Note: SWL with Dyneema webbing. Hanks delivered without webbing.



HIGH LOAD ALLOY



LOW LOAD REINFORCED PLASTIC

**Sail Hank Low Load (Reinforced Plastic)**

Part No	Inner Ø (mm)	Outer Ø (mm)	MWL (kg)	WT(g)
23HM	7.5	20	1.500	3
33HM	9	24	2.000	9
44HM	12.5	33	2.500	15
57HM	15.5	41	3.500	30

Note: MWL with polyester webbing. Hanks delivered without webbing.



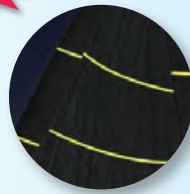


## Luminous Draft Stripes and Spinnaker V Tapes



A must for any serious offshore sailor. Racing or Cruising. Note, these adhesive backed tapes may need stitching depending on the application.

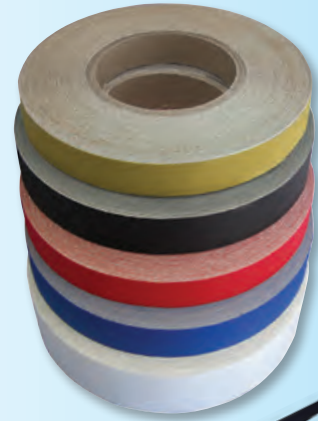
Part No	Description	Sold by
HGF030STC	Luminous Draft Stripe 30mm wide x 25m	Roll
HGF065STC	Luminous Draft Stripe 65mm wide x 25m	Roll
HGF030V	Luminous Spinnaker V 30mm wide x 25m	Roll
HGF065V	Luminous Spinnaker V 65 mm wide x 25m	Roll



## Polyester Draft Stripe & Insignia Wave Tapes

These tapes are adhesive backed used in the manufacturing of new sails and repair of used sails. Our tapes are cut from Captain Insignia, a trusted brand for many years.

Part No	Colour	Width
TD10005	White	1/2"
TD100075	White	3/4"
TD1001	White	1"
TD1015	White	1 1/2"
TD1002	White	2"
TD1003	White	3"
TD1004	White	4"
TD1005	White	5"
TD1006	White	6"
TD1(x)005	Red 1, Blue 2 & Black 8	1/2"
TD1(x)075	Red 1, Blue 2 & Black 8	3/4"
TD1(x)01	Red 1, Blue 2 & Black 8	1"
TD1(x)02	Red 1, Blue 2, Black 8 & Gold 10	2"
TD1(x)025	Red 1, Blue 2, Black 8	2 1/2"
TD1(x)03	Red 1, Blue 2, Black 8 & Gold 10	3"
TD18WAVE1	Black	Pitch 360mm, height 21mm, width 55mm, length 11.98m
TD18WAVE2	Black	Pitch 360mm, height 27mm, width 105mm, length 11.98m



Wave Tapes can be supplied in any width and any Insignia colour.

## (Spinnaker) Repair Tape

Self adhesive for quick repairs, on 7.5 metre long rolls. Other colours available on special order.

Part No	Width	Colour
HCIRN	50mm	White
HCIRP	50mm	Pink
HCIRR	50mm	Red
HCIRY	50mm	Yellow
HCIRG	50mm	Green
HCIRB	50mm	Dark Blue



## Pre-Cut Sail Numbers using Captain White, Red, Blue, Black, Gold, Grey, Green & FL Orange

We can offer special cutting services such as class legal letters and numbers and class-logos from any Insignia colour.

### Size (inches) 10, 12, 15, 18

- Laser & ILCA 4.7
- Laser & ILCA Radial
- Laser & ILCA Standard
- Optimist



OPTIMIST



## Closed Cell Foam

Contender's closed cell foam is ideally suited to padded luffs of furling genoas. Contender applied adhesive offers piece of mind against mildew and yellowing.

Part No	Description	Roll Length (metres)	Width(metres)
TDSHAPE	6mm Closed cell foam	50mts	1.0m



Tel: +61 (02) 9997 4099  
Free Call: 1800 252 368  
Fax: +61 (02) 9997 1292  
orders@contender.com.au

Battens

Slides & Cars

Head/Clew Bds.

Rings

Hardware

Tools

Miscellaneous

Materials

Seal/Glide

Index A-Z

Slit Sailcloth Tape

Fibercon Tapes

PART NO.	WEIGHT OZ	COLOURS			WIDTH
		NATURAL	BLACK	COOL GREY (NEW)	
TD4010	4oz	✓	-	-	1"
TD4015	4oz	✓	-	-	1.5"
TD4020	4oz	✓	✓	-	2"
TD4025	4oz	✓	✓	-	2.5"
TD4030	4oz	✓	✓	-	3"
TD5020	5.38oz	✓	✓	-	2"
TD5025	5.38oz	✓	✓	-	2.5"
TD5030	5.38oz	✓	✓	-	3"
TD5050	5.38oz	✓	✓	-	5"
TD6020	6.38oz	✓	-	-	2"
TD6025	6.38oz	✓	✓	✓	2.5"
TD6030	6.38oz	✓	-	-	3"
TD6040	6.38oz	✓	✓	✓	4"
TD6040 HYBRID	6.68oz	✓	-	-	4"
TD6050 HYBRID	6.68oz	✓	-	-	5"
TD7030	7.38oz	✓	-	-	3"
TD7040	7.38oz	✓	✓	✓	4"
TD7050	7.38oz	✓	-	-	5"
TD8030	8.38oz	✓	-	-	3"
TD8040	8.38oz	✓	-	-	4"
TD8050	8.38oz	✓	-	-	5"

Spinnaker Tapes

STYLE	COLOURS				WIDTH
	NATURAL	RED	DARK BLUE	GREEN	
Nylite 90	✓	-	-	-	2.5"
	✓	-	-	-	3"
Maxilite 150	✓	✓	-	✓	1"
	✓	✓	-	✓	1.5"
	✓	✓	-	✓	2"
	✓	✓	-	✓	3"
Stormlite 210	✓	✓	-	✓	4"
	✓	✓	✓	✓	1"
	✓	✓	✓	-	1.5"
	✓	✓	✓	-	2"
4oz Polyester	✓	✓	✓	-	1"
	✓	✓	✓	-	1.5"
	✓	✓	✓	-	2"
	✓	✓	✓	-	2.5"
	✓	✓	✓	-	3"
	✓	✓	✓	-	4"

New Nylite 90 and Maxilite flat tapes.



To gain the greatest benefit from the Fibercon range, we recommend Fibercon Tapes through-out the sail.

Fibercon Tapes are available in all weights and popular sizes.



Teflon Tape

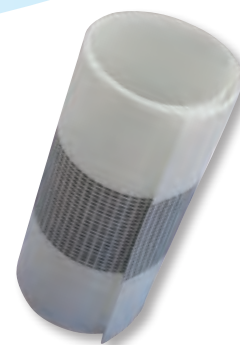
Polyester sailcloth with teflon inserts used for heads of sails for easy hoisting. Available in approx 100 metre rolls.

Part No	Description
TD8050T	5" Wide 8oz Teflon tape

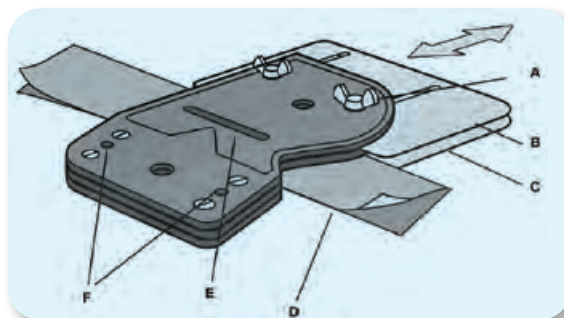
Rutgerson® Tape Folder

Part No	Description
R1650	Rutgerson tape folder

- Loosen the two wing nuts (A). Push the two stainless steel plates outwards as shown.
- Fold & crease half a metre of the tape (D), exactly in the middle, that you want to fold.
- Insert the folded & creased tape into either the top or lower slot. Use the narrow slot for tapes lighter than 280 grams/sqm, and the wider slot for tapes heavier than 280 grams/sqm. The fold should point towards the stainless plate. If necessary you can feed the tape through with a pair of scissors or spike through the open slot (E).
- Push the stainless steel plate in until it butts up snugly against the folded tape. Tighten the wing nuts up.
- Pull the tape straight through the tape folder. To make it easier place the tape folder in a vice or bolt on to a bench using the mounting holes (F).
- Folds up to 5" wide sailcloth tape.



5" Teflon Tape



## Fibercon Luff Tapes

Made from Fibercon AP UV Sailcloth and hard braided polyester cords. Available in 70 - 100m rolls. A sailmakers template swatch as shown available on request, for trying in foil section prior to manufacture.

Part No	Description	Finished Diameter mm	Roll Size
HCPL5	5oz x 5" x 4 mm Luff Rope + BU Rope	4.5	70-100 M
HCPL6	7oz x 5" x 4.5 mm Luff Rope + BU Rope	5	70-100 M
HCPL6BLACK	7oz x 5" x 4.5 mm Luff Rope + BU Rope Black	5	70-100 M
HCPL6.5	PL6 Without BU Rope	5	70-100 M
HCPL7	7oz x 5" x 5.5 mm Luff Rope + BU Rope	7	70-100 M
HCPL8MM	Luff Tape Main 7oz x 8MM PVC Blue	8.15	70-100 M

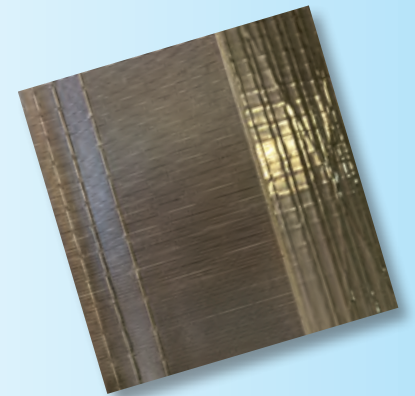
## Luff Tape Application

Part No	Description
HCPL5	Furlex 50S, 104S, Tuff Luff 1205, Harken Carbo foil unit 0, Facnor RC14.
HCPL6 & PL6.5	Furlex 204S, All Harken, Profurl C290 to C430 and R250 to R 430, Tuff Luff 1706 & 2206, Harken Carbo Foil Unit 1 & 2. Norfoil #5, All Scheafer Furlers, Snapfurl 750, Hood Seafurl 253,253.5, 325, 488. Facnor : SX
HCPL7	Furlex 304S, Profurl C260,C520,C530 and R480, Tuff Luff 3007 & 4807, Norfoil 6 & 10, Harken Carbo foil Unit 3, Harken Mark IV 5, 6, 7, 8. Furlex 404S & 504S and Facnor R24, 26, 34.

## Sailmakers Leather

Contender leather comes from a complete hide, making it ideal for jobs requiring long lengths. The finish is smooth one side and suede the other for flexibility of use and comes silver grey in colour in keeping with the modern look. Tough and hard wearing it is the benchmarkers standard for quality and professional finishing to sails.

Part No	Description	Thickness in mm	Size
H26IP	Leather hide	1.5mm - 2.2mm	Average 12 ft 2



HCPL6 Black Luff Tape



2020 5.5 Metre Worlds - RPAYC



- Battens
- Slides & Cars
- Head/Clew Bds.
- Rings
- Hardware
- Tools
- Miscellaneous
- Materials
- SealinGlide
- Index A-Z



## Wm. Smith® Sailmakers Needles

Genuine Wm Smith sailmakers needles. Simply the best.

Part No	Needle size	No per pack
HCTNE14	No14	25
HCTNE15	No15	25
HCTNE16	No16	25
HCTNE17	No17	25
HCTNE18	No18	25
HCTNEA	Assorted Needles	5
HCTNET	Assorted Needles	20

## Wm. Smith® Leather Palms

Great for repair kits.

Part No	Description	Style
HLWS8021	No 2.0	Adjustable palm RH
HLWS8051	No 2.5	Adjustable palm RH
HLWS8052	No 2.5	Adjustable palm LH
HLWS8151	No 15	Palm Super RH
HLWS8152	No 15	Palm Super LH
HLWS5202	Neptune Sail Repair Kit	Contains Fixed Palm RH

## Wiss Bent Trimmers

A firm favourite, comfortable and stainless. The small version ideal for repair kits.

Part No	Description	Size
HCTSBT8	Right handed	8"
HCTSBT9	Right handed	9"
HCTSBT10	Right handed	10"
HCTSBT10L	Left handed	10"
HCTSBT12	Right handed	12"

## Specialised Scissors

Part No	Description	Size
HLRQ105394 *	Right handed	250mm
HLRQ1026 **	Right Handed Heavy Duty	250mm
HLQR102603	Right Handed Light Duty	250mm

\* For Carbon and Glass Fiber or \*\*Aramid fabrics.

## Nylon Faced Hammers

Always use nylon faced hammers for safety and to prolong the life of the cutters and closing tools.

Part No	Size	Weight
HCTMM1.5	Standard 38 mm face	1.5 lbs
HCTMM2.0	Heavy duty 44 mm face	2.0 lbs



HCTSBT10



HLRQ105394



HLRQ1026



## Engel® Hot Knife

60 Watt instant trigger hot knife.

Part No	Description
HLEW0	Hot knife without blade
HLEW1	Blade for Cloth
HLEW2	Blade for Rope

## CWT® Heat Cutter

This 14.4V Cordless Heat Cutter weighs only 735g and is designed for continuous operation due to its patented air cooling system. The battery capacity is 2.2Ah and charging time is 90 minutes.

Part No	Description
HLEWB	Cordless Hot Knife kit with blade

## Olfa Cutting Blade RB28 Made in Japan

Part No	Description
HCTRB28	28mm Cutting Disc Blade x 2
HCTRB28-12	28mm Cutting Disc Blade x 12

## Osbourne® Scratch Awls

These professional quality this Osbourne® awls have a tempered spike which is strong and flexible, and will easily outlast any other.

Part No	Description	Box qty
HCTAWL	No.1 Awl - Yellow handle	12 - sold individually

## Push Pins

Small pins for pinning out delicate fabrics.

Part No	Description	Box qty
HCTPIN	Mushroom head - Hi-Vis	100
HCTPIA	Aluminium head	100

## Seam Rippers & Wiss Thread Clips

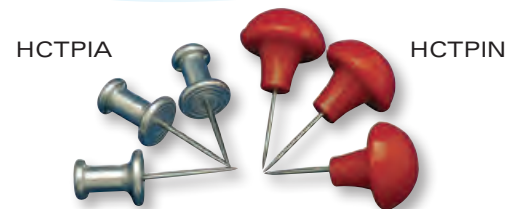
Top quality heavy duty deluxe seam ripper and Wiss Thread Clips.

Part No	Description
HCTSEA	Deluxe seam ripper SRDX
HCT601(SCLM)	Wiss Thread Clips Metal
HCT601(SCLP)	Wiss Thread Clips Plastic

## Knee Pads

Heavy duty rubber pads for comfortable continuous use on loft floors. Elasticated hook & loop fastening.

Part No	Description
HCTKP	Knee pads



Battens

Slides & Cars

Head/Clew Bds.

Rings

Hardware

Tools

Miscellaneous

Materials

Index A-Z





Jeanneau Sun Fast 3300  
Port Phillip Bay  
Superkote 90 Spinnaker

**Solbond compared to Dabond**

Weight	V46	Solbond 40	V69	Solbond 30	V92	Solbond 20	V138	V207	Solbond 10
Ticket	50	40	35	30	25	20	18	12	10
Weight in Denier	540	675	720	900	990	1350	1485	1890	2231
Breaking Load (kg)	3.3	4.6	4.95	5.6	6.1	9.0	9.0	11.7	13.1
Needle size	14-18 90-110	14-18 90-110	19-22 120-140	18-21 110-130	19-22 120-140	19-23 120-160	21-23 130-160	23-25 160-200	23-25 160-200
Spool length (m)	5000	3000	3000	2500	2500	1500	1500	2000	1000



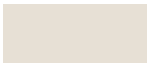



Fibercon Hybrid with Dyneema

### Contender Solbond - bonded sewing thread

Solbond is produced by the German company Zwicky who are recognised as the leading producer of industrial sewing thread. Solbond offers excellent sewability, outstanding abrasion resistance and high breaking strength as well as UV resistance. Solbond has been developed for yacht sails, sun protection and textile structures.

	<b>Solbond 10</b>	<b>Solbond 20</b>	<b>Solbond 30</b>	<b>Solbond 40</b>
<b>Part No</b>	<b>HSB10</b>	<b>HSB20</b>	<b>HSB30</b>	<b>HSB40</b>
<b>Bobbin size</b>	<b>1,000 m</b>	<b>1,500 m</b>	<b>2,500 m</b>	<b>3,000 m</b>
Application	9.5 oz-16 oz	7.0 oz- 10 oz	4.0 oz - 8.0 oz	0.75 oz - 4.0 oz
Needle size	NM 160- 200 23 - 25	NM 120- 160 19 - 23	NM 110 - 130 18 - 21	NM 90 - 110 14 - 18
<b>Technology</b>				
<b>Ticket / dtex</b>	<b>No. 10</b>	<b>No. 20</b>	<b>No. 30</b>	<b>No. 40</b>
	dtex 2480	dtex 1500	dtex 1000	dtex 750
Strength	13.1 kg	9.0 kg	5.6 kg	4.6 kg
elongation	20% (17%-23%)	16 % (13 % - 19 %)	14 % (11 % - 22 %)	14 % (11 % - 22 %)
<b>Chemical properties</b>				
Wash fastness	(ISO 105 C03) - Note 4 - 5			
Water fastness	(ISO 105 E01) - Note 4 and better			
Rub fastness	(ISO 105 X12) - Note 4 and better			
Colour retention	(ISO 105 B02) - Note 4 and better			

### Available colours

					
Natural 0111	Tanbark 9386	Red 9514	Blue 9515	Steel Grey 9356	Black 9527



**Mara 30 WA Sewing Thread**



**Contender Mara 30 WA**

100% polyester sewing thread with Micro Core Technology

**MARA WA** is produced by the German company **Zwicky, member of the Gütermann group**, who are recognised as the leading producer of industrial sewing thread.

**MARA WA** has been developed for marine and outdoor applications looking for excellent sewability, abrasion resistance and breaking strength as well as UV and water resistance. Due to the combination of Micro Core Technology and the special water-repellent finish **MARA WA** offers the best solution for seams requiring water tightness.

► **Mara 30 WA sewing thread**

Mara 30 WA	
Application	Marine and outdoor applications
Needle size	NM 100 - 130 / 18 - 21
Bobin size	3.000 m
Specification	
Size No./ dtex	No. 30 – dtex 1000
Strength	3.5 kg
Elongation	ø19% (17% - 21%)
Properties	
Wash fastness	(ISO 105 C03) - Note 4 - 5
Water fastness	(ISO 105 E01) - Note 4 and better
Rub fastness	(ISO 105 X12) - Note 4 and better
Colour retention	(ISO 105 B02) - Note 4 and better

Available colours:

<b>Natural</b> 111	<b>Burgundy</b> 0369	<b>Beige</b> 0186	<b>Navy blue</b> 6712	<b>Graphite</b> 5102	<b>Silver</b> 5618	<b>Charcoal</b> 0035	<b>Black</b> 0000
-----------------------	-------------------------	----------------------	--------------------------	-------------------------	-----------------------	-------------------------	----------------------

MARA WA offers the best solution for seams requiring water tightness.

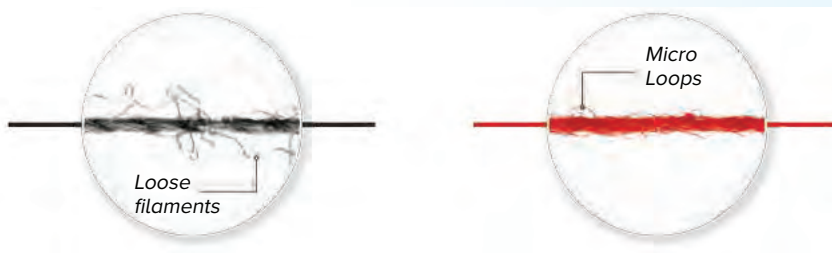
What makes **MARA WA** a unique sewing thread for marine and outdoor applications.

**1. 100% Polyester**

Providing higher strength, better UV resistance and abrasion resistance.

**2. Micro Core Technology (MCT)**

This unique technology ensures smoother and more even threads as the filaments run in consistent micro loops. The advantages are: high mechanical resilience, consistent thread tension during fabrication and considerably less thread breakage.

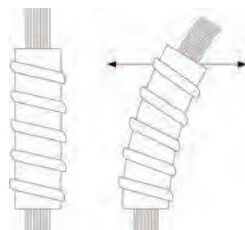


Tradition polyester cotton sewing thread

MARA WA with MCT

**3. Water Repellent (WA) finish**

To eliminate the capillary action MARA WA is finished with a highly flexible coating that surrounds the filaments.



Firmly connected and yet highly flexible WA finish

**Why does MARA WA offer the best solution for seams requiring water tightness?**

1. The smoother thread allows the use of finer needles resulting in smaller stitching holes and less damage to the fabric.
2. MARA WA requires less tension whilst stitching so that the thread will keep its volume. Combined with the flexible coating the MARA WA thread will fill the needle hole as tight as possible.



A cross section of a needle hole of a core-spun thread



A cross section of a needle hole of MARA WA.



**Dabond® from Barbour Threads**

Formerly Hemingway & Bartlett - UV

- >> **Best Ultra - Violet resistance**
- >> **Consistent bonding of thread**
- >> **Superior needle heat dissipation**
- >> **High tensile strength, low stretch**
- >> **Mildew resistant**
- >> **Excellent consistency**
- >> **Abrasion resistant**
- >> **No knots/breaks**

Part No	Style	Colour
HLV30W	V30	White
HLV42W	V42	White
HLV46W	V46	White
HLV46BK	V46	Black
HLV46BR	V46	Brown
HLV46BL	V46	Blue
HLV69W	V69	White
HLV69BK	V69	Black
HLV69BR	V69	Brown
HLV69BL	V69	Blue
HLV69GR	V69	Steel Grey
HLV69RED	V69	Red
HLV92W	V92	White
HLV92BK	V92	Black
HLV92BR	V92	Brown
HLV92BL	V92	Blue
HLV92RED	V92	Red
HLV92GR	V92	Steel Grey
HLV138W	V138	White
HLV138BK	V138	Black
HLV138BR	V138	Brown
HLV138BL	V138	Blue
HLV138GR	V138	Steel Grey
HLV207W	V207	White
HLV207BK	V207	Black
HLV207BR	V207	Brown



Thread style	Suggested cloth weight (US oz)	Needle size imperial / mm	Tex	Breaking strength (N)	Average yield per cob
HLV30	0.50 - 1.20	11-14 / 75-90	40	21	6000 mtrs
HLV46	0.75 - 3.00	12-15 / 80-95	70	33	5000 mtrs
HLV69	3.00 - 5.00	15-18 / 95-110	100	50	3000 mtrs
HLV92	5.00 - 9.50	17-20 / 105-125	130	66	2500 mtrs
HLV138	8.00 - 10.5	19-21 / 120-130	220	103	1500 mtrs
HLV207	9.50 - 16.0	21-23 / 130-160	310	147	2000 mtrs

**Heminway & Bartlett® Hand Sewing Threads**

Part No	Style	Description	Sold By
HCV346	VT346	Waxed hand sewing	oz
HCV462	VT462	Waxed hand sewing	oz
HCV462BK	VT462	Waxed hand sewing-Black	Spool

Part No	Style	Description	Sold By
HCVFB1	1.6mm	Waxed flat braided twine	Spool
HCVFB2	3.2mm	Waxed flat braided twine	Spool
HCVFB2BK	3.2mm	Waxed flat braided twine - Black	Spool

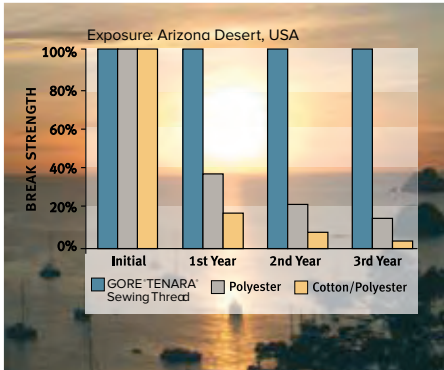




# Tenara<sup>®</sup>

SEWING THREAD

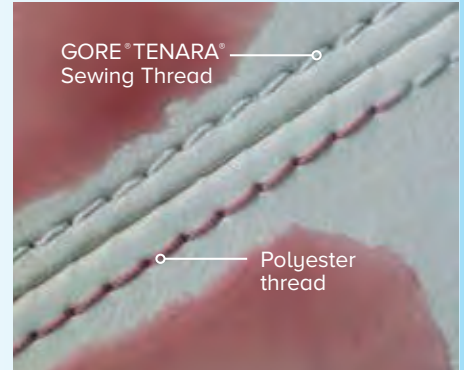
## Guaranteed to Last



## Premium Quality Brand



## Beauty That Endures



## Unaffected by Sunlight

GORE<sup>®</sup>TENARA<sup>®</sup> Sewing Thread maintains its strength even after regular exposure to UV sunlight. UV resistance is built into the thread, and is not a coating or additive that can wear off.

## Weather-Proof

GORE<sup>®</sup>TENARA<sup>®</sup> Sewing Thread remains flexible and strong in extremes of hot and cold. It won't absorb water and it resists acid rain, salt water, pollution, snow and freezing.

## Enhance Your Reputation

Using GORE<sup>®</sup>TENARA<sup>®</sup> Sewing Thread tells your customers that they are buying a premium product built to last with durable seams and a brand that's backed by more than 25 years of experience from the company that invented it.

To help you promote the benefits of GORE<sup>®</sup>TENARA<sup>®</sup> Sewing Thread, Gore has industry-leading marketing support and materials.

## Easy to Clean

GORE<sup>®</sup>TENARA<sup>®</sup> Sewing Thread is unaffected by acids, alkaline solutions, bleach and cleaning chemicals and it will not stain.

## Colours Will Not Fade

Made with non-fading pigments that are highly resistant to light, the coloured thread retains its bold appearance over time. GORE<sup>®</sup>TENARA<sup>®</sup> is pigmented—not dyed. Due to its exceptional material properties, TENARA<sup>®</sup> Sewing Thread is extremely colour-fast.\*\*

\*\*According to DIN EN ISO 105-B06A:2004-07 tests conducted by Hohenstein Laboratories in 2012, all colours of GORE<sup>®</sup>TENARA<sup>®</sup> Sewing Thread received a lightfastness rating of 8, the highest possible.

## Primary Applications

### Outdoor

- Awnings
- Garden structures
- Outdoor upholstery
- Patio furniture
- Sun Protection and shade sails
- Swimming pool covers
- Umbrellas

### Marine

- Bimini tops
- Boat covers
- Boat enclosures
- Dodgers
- Sail covers
- Sails
- Seat cushions
- Side curtains
- Upholstery



*For seams that last a fabric's lifetime\*. Guaranteed.*

**Product Specifications**

**CLEAR for optimal fabric blending**

Part Number	Linear Density	Approximate Polyester Equivalent	Nominal Break Strength	Nominal Elongation at Break (%)	Yield Per Spool	Recommended Needle Size	Typical Applications †
M1000KTR-L-5	1556 dtex 1400 denier	Nm 35/40 92 tex	4448 cN 10 lbs	17	1750 m 1900 yds	Nm 100-120 18	Awnings, marine, upholstery
M1003HTR-L-5	2775 dtex 2500 denier	Nm 20/25 138 tex	8452 cN 19 lbs	10	1050 m 1150 yds	Nm 120-140 19-22	Large awnings or structures, marine, heavy clear vinyls, zippers, areas where additional seam strength is desired

Colours shown for reference only. Actual samples may vary.



navy blue \*#   white \*# (wh)   chesapeake# bay blue (cb)   yellow (yw)   red (rd)   forest green # (fg)   grey # (gy)   light grey# (lg)   sandstone# (tn)   black\*# (bk)

\* Denotes colour is stock item in 92 weight  
# Denotes colour is stock item in 138 weight

**Vibrant Fade Resistant COLOURS**

Part Number	Linear Density	Approximate Polyester Equivalent	Nominal Break Strength	Nominal Elongation at Break (%)	Yield Per Spool	Recommended Needle Size	Typical Applications †
M1000TR-(XX)-5	1556 dtex 1400 denier	Nm 35/40 92 tex	3559 cN 8 lbs	17	1750 m 1900 yds	Nm 100-120 18	Awnings, marine, upholstery, decorative top stitching, awning side curtains, valances
M1003HTR-(XX)-5	2775 dtex 2500 denier	Nm 20/25 138 tex	6228 cN 14 lbs	10	1050 m 1150 yds	Nm 120-140 19-22	Large awnings or structures, marine, heavy clear vinyls, zippers, areas where additional seam strength is desired

To order, substitute colour code for (XX). For example: M1000TR-BK-5 (1556 dtex/1400 denier Black). Certain colors and sizes may have extended lead times or minimum orders. Please contact your us for details.

Made in the USA by W. L. Gore & Associates, Inc.

†The fabricator is responsible for determining the correct thread size for the application.

\*Gore Guarantees it.

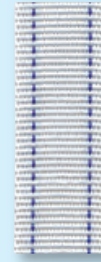




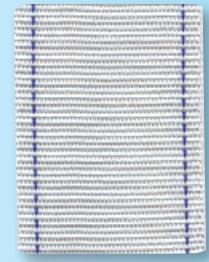
## Contender - Dyneema® Webbing

This webbing is exclusive to Contender. Very low stretch, high load, excellent resistance to UV & flex degradation & abrasion. It is designed for maximum stability and ease of sewing. Excellent strength to weight ratio, 3 times greater than existing polyester maxi webbing. Reduced weight - 4 times lighter than existing polyester webbing. Reduced bulk - thickness reduced to 1/3 of existing maxi webbings. Sold per metre and per roll.

Part No	Style/Colour	Width in mm	Roll length in metres	Breaking load in kg
H302W	Dyneema/White	25mm	50m	1600 Kg
H302B	Dyneema/Black	25mm	50m	1600 Kg
H305W	Dyneema/White	50mm	50m	3200 Kg
H305B	Dyneema/Black	50mm	50m	3200 Kg



H302W (White)  
H302B (Black)



H305W (White)  
H305B (Black)

## Polyester Edging Webbing

This polyester edging webbing is soft and compliant to easily go round corners when finishing sails and accessories. It has good UV resistance and available in natural and black only. Sold per roll.

Part No	Style/Colour	Width in mm	Roll length in metres	Breaking load in kg
H270W	Edging/White	12mm	100m	NA
H270B	Edging/Black	12mm	100m	NA
H271W	Edging/White	20mm	100m	NA
H271B	Edging/Black	20mm	100m	NA
H272W	Edging/White	25mm	100m	NA
H272B	Edging/Black	25mm	100m	NA



H272W (White)  
H272B (Black)



H282W (White)  
H282B (Black)

## Polyester Webbings-Standard Weight

Top quality polyester webbing with excellent UV resistance for finishing sails. Available in Natural and Black. Sold per roll.

Part No	Style/Colour	Width in mm	Roll length in metres	Breaking load in kg
H280W	HPW/White	12mm	50m	510 Kg
H280B	HPB/Black	12mm	50m	510 Kg
H281W	HPW/White	20mm	50m	816 Kg
H281B	HPB/Black	20mm	50m	816 Kg
H282W	HPW/White	25mm	50m	1020 Kg
H282B	HPW/Black	25mm	50m	1020 Kg

Fastest Young 88 in Australia.  
Young At Heart. ZZ Jet Black  
Laminate Genoa, Superlite 50  
Spinnaker and Selden DHW  
including ST 40 winches.





### Polyester Webbing-Heavyweight

Top quality polyester webbing with excellent UV resistance for finishing sails. Available in Natural and Black. Sold per roll.

Part No	Description /Colour	Width in mm	Roll length in metres	Breaking load in kg
H310W	Heavy Weight/ White	12mm	50m	765Kg
H310B	Heavy Weight/ Black	12mm	50m	765Kg
H311W	Heavy Weight/ White	20mm	50m	1275Kg
H311B	Heavy Weight/ Black	20mm	50m	1275Kg
H312W	Heavy Weight/ White	25mm	50m	1530Kg
H312B	Heavy Weight/ Black	25mm	50m	1530Kg

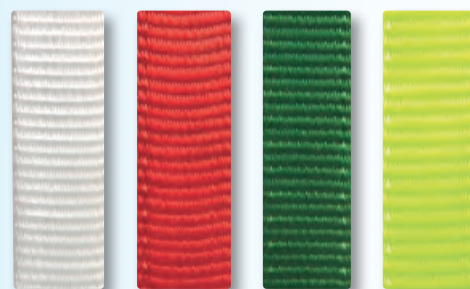


H312W (White)  
H312B (Black)

### Polyester Jackstay Webbing-Heavyweight

Certified breaking strength polyester webbing suitable for jackstays and other high load applications. Phone for details of stitch patterns and thread specifications. Sold per roll.

Part No	Colour	Width in mm	Roll length in metres	Breaking load in kg
H332W	Natural	25mm	50m	3000
H332R	Red	25mm	50m	3000
H332G	Green	25mm	50m	3000
H332FY	FL Yellow	25mm	50m	3000



H332W H332R H332G H332FLY

### Tubular Polyester Webbing

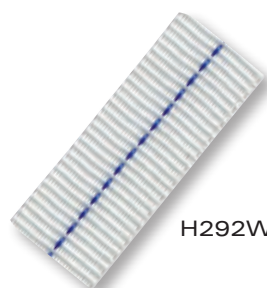
Contender tubular webbing is available in a soft finish for ease of construction. Sold per roll.

Part No	Style	Width in mm	Roll length in metres	Breaking load in kg
H290W	Tubular-Soft finish	12mm	50m	NA
H291W	Tubular-Soft finish	19mm	50m	NA
H292W	Tubular-Soft finish	25mm	50m	NA

### Seatbelt Webbing

Economical webbings for sail bags and accessories. Sold per roll.

Part No	Colour	Width in mm	Roll length in metres	Breaking load in kg
H323W	White	25mm	100m	1020Kg
H324W	White	38mm	100m	1550Kg
H325W	White	50mm	100m	2040Kg
H323B	Black	25mm	100m	1020Kg
H324B	Black	38mm	100m	1550Kg
H325B	Black	50mm	100m	2040Kg



H292W



H323B (Black)  
H323W (White)

"Castaletto" Gybe Mark.  
Gorla Race Lake Garda 2019.



## Contender Touch Tape - Hook/Loop

Sold in full reels only.

Part No	Description	Reel size in metres
H236H	25mm White Touch Tape Hook	25m
H236L	25mm White Touch Tape Loop	25m
H237H	50mm White Touch Tape Hook	25m
H237L	50mm White Touch Tape Loop	25m
H239H	25mm Black Touch Tape Hook	25m
H239L	25mm Black Touch Tape Loop	25m
H240H	50mm Black Touch Tape Hook	25m
H240L	50mm Black Touch Tape Loop	25m



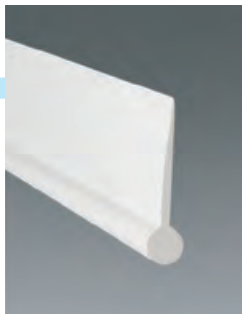
Hook and Loop with a PSA is available on request.

## Plastic Sail Track

Stock Track.

Part No	Description
HOP61	Small Male Insert 5.9mtr
HOP63	Small 3 Part Complete 5.9mtr
HOP 65	Large Sidemount 5.9mtr (Suit 7.5mm Keddar)
HOP66	Small Topmount 5.9mtr (Suit 7.5mm Keddar)

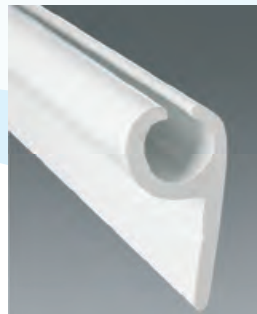
Note: Images are representative and not to scale.



HOP 61



HOP 63



HOP 65



HOP 66

Other Sail Track Profiles are available on request.



HOP 62



HOP 67



HOP 68



HOP 69



HOP 70

Non-Stock Track.

Part No	Description	Pack Qty
HOP62	Small 2 part complete 5.9M	25
HOP67	2 part complete 5.9M	10
HOP68	Luff Tape Track 5.9M	10
HOP69	Double Large Track 3M	1
HOP70	Large 2 part complete 5.9M	10
HOP71	Male Insert to suit HOP70 5.9M	10

## Keddar Tape 100 mtr Rolls

Part No	Description
HOPKEDDW7.5	Keddar 7.5MM Double White
HOPKEDSW7.5	Keddar 7.5MM Single White
HOPKEDSB7.5	Keddar 7.5MM Single Black



# Fastening Solutions

The Ingenious Fastening System for marine applications.



## LOXX Fastening Solutions

Sold per box and each (min 10 per style). Please see our website for an expanded view of this range. Custom Uppers are available. Minimum 1,000 per order.

Part No	Description	Quantity
HLOXX-05140.0500	Nickel Plated Upper with Big Cap	BOX = 50
HLOXX-08891.02098	S/S Hybrid Upper with Big Cap	BOX = 50
HLOXX-05931.05098	Screw Nickel Plated Brass-S/S Thread 10mm	BOX = 100
HLOXX-04386.05098	Screw Nickel Plated Brass-S/S Thread 12mm	BOX = 100
HLOXX-07190.05098	Screw Nickel Plated Brass-S/S Thread 16mm	BOX = 100
HLOXX-02202.05098	M5 Screw Nickel Plated Brass 10mm	BOX = 100
HLOXX-02202.05098	M5 Screw Nickel Plated Brass 16mm	BOX = 100
HLOXX-02230.00000	Windshield Clip S/S, Brass Nickel Plated 21mm	BOX = 100
HLOXX-02231.00000	Windshield Clip S/S Brass Nickel Plated 24mm	BOX = 100
HLOXX-95121.05000	Fabric to Fabric Brass Nickel Plated 0-3mm	BOX = 100
HLOXX.05930.05000	TBR Nickel Plated	BOX = 100
HLOXX-04492.05000	Small Key for Washers	
HLOXX-04500.00000	Big Key with Wooden Handle	
HLOXX-999017.BOXX	Loxx Boxx - Starter Pack	



LOXX® are the original German fastener. A far superior solution to the ubiquitous snap fastener, LOXX® fasteners are more versatile, stronger, easier to operate and install. The easiest, quickest and safest fastening solution!

Unlike snap on fasteners, LOXX® fasteners will not un-clip, making for a secure connection for upholstery, covers and awnings. LOXX® fasteners are also reusable, simply unscREW them for use on your new cover. Installed by many well known boat builders and a recommended fastener for flexible solar panels.

LOXX® Boxx is the perfect Starter Pack, fully equipped with most parts including tools.





## Contender - Continuous Coil Zip

YKK zips with their marine grade tapes are easy to attach and have a high burst load. Called Coil or Spiral zip they are sold in full rolls only.

Part No	Description	Colour	Reel size
HVFCH10-COIL	No10 Coil	White	100m
HVFCH10B-COIL	No10 Coil	Black	100m

## YKK - Continuous Vislon Moulded Zip No 5 & 10

YKK Vislon moulded zips with their marine grade stable tapes are easy to attach and have a high burst load. Sold in full rolls only. No.10 is also referred to as chunky.

Part No	Description	Colour	Reel size
HVFCH5-VISLON	No 5 Vislon	White	100m
HVFCH10-VISLON	No10 Vislon	White	100m
HVFCH10B-VISLON	No10 Vislon	Black	100m

## YKK - Open Ended No10 Vislon Zips

These moulded, chunky zips come standard with a double metal puller. All our YKK open ended Vislon zippers have heavy duty stabilised marine tapes for ease of manufacture.

Part No	Description	Length in cm	Bag Quantity
HVFOR-105/060 (B)	No10 White & Black	60cm	25
HVFOR-105/091 (B)	No10 White & Black	91cm	25
HVFOR-105/122 (B)	No10 White & Black	122cm	25
HVFOR-105/153 (B)	No10 White & Black	153cm	25
HVFOR-105/183 (B)	No10 White & Black	183cm	25
HVFOR-105/198 (B)	No10 White & Black	198cm	25
HVFOR-105/213 (B)	No10 White & Black	213cm	25
HVFOR-105/250 (B)	No10 White & Black	250cm	25
HVFOR-105/300 (B)	No10 White & Black	300cm	20
HVFOR-105/400 (B)	No10 White & Black	400cm	10
HVFOR-105/500 (B)	No10 White & Black	500cm	10
HVFOR-105/600 (B)	No10 White & Black	600cm	10
HVFOR-105/700 (B)	No10 White & Black	700cm	5
HVFOR-105/800 (B)	No10 White & Black	800cm	5
HVFOR-105/900 (B)	No10 White & Black	900cm	5

## YKK - Open Ended No5 Vislon Zips for Jib Luffs

Part No	Description	Colour	Reel size	Bag Quantity
HVSOR-56/600	No 5 White	White	600m	10
HVSOR-56/600B	No 5 Black	Black	600m	10



HVFCH10-COIL (White)  
HVFCH10B-COIL (Black)



HVFCH5-VISLON



HVFCH10-VISLON (White)  
HVFCH10B-VISLON (Black)



Double Pull





## YKK - Sliders For No10 Coil Zip

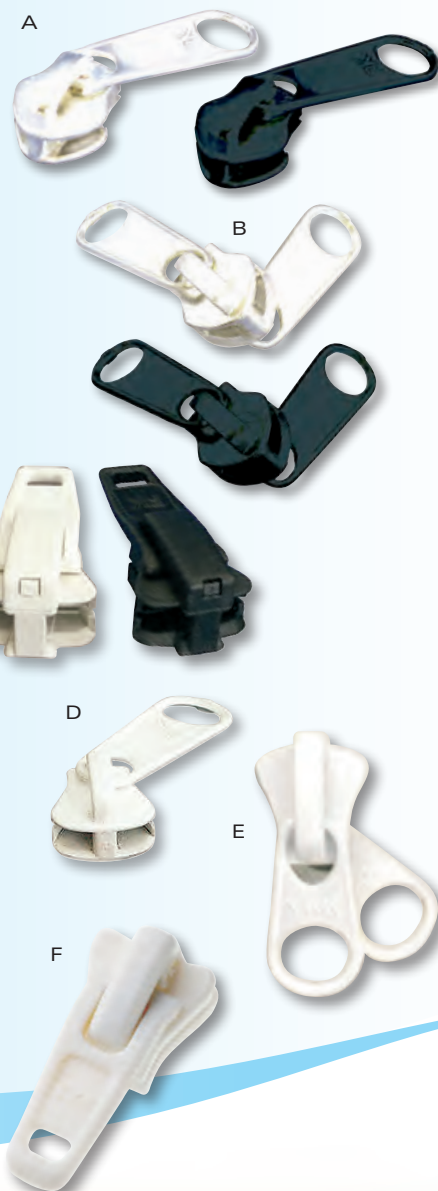
All metal coil sliders are non-locking.

Part No	Description	Colour	Style Size
HV10CFDFL-501-A	Single metal puller	White	Non locking for No10 (A)
HV10CFDFL-580-A	Single metal puller	Black	Non locking for No10 (A)
HV10CFDW3L-501-B	Double metal puller	White	Non locking for No10 (B)
HV10CFDW3L-580-B	Double metal puller	Black	Non locking for No10 (B)

## YKK - Sliders For No10 Vislon Zip

No.10 and No.5 plastic (auto-locking) and metal (non-locking) sliders.

Part No	Description	Colour	Style Size
HV10VTAE-501-C	Single plastic puller	White	Auto locking for No10
HV10VTAE-580-C	Single plastic puller	Black	Auto locking for No10
HV10VDFW-501-D	Single metal puller	White	Non locking for No10
HV10VDFW-580-D	Single metal puller	Black	Non locking for No10
HV10VFTX-501-E	Double plastic puller	White	Auto locking for No10
HV10VFTX-580-E	Double plastic puller	Black	Auto locking for No10
HV5VFTA-501-F	Single plastic puller	White	Auto locking for No5
HV5VFTA-580-F	Single plastic puller	Black	Auto locking for No5



WeatherMAX 80 Awning,  
Bayview, NSW.



## Bolt Rope, Leech Line & Leech Luff Line

Part No	Description
LBOLT-6MM	Bolt Rope White Polyprop 590kg
LBOLT-8MM	Bolt Rope White Polyprop 1200kg
LBOLT-10MM	Bolt Rope White Polyprop 1800kg
LPVC8MM	PVC Spline 8mm x 250m
LL02	Leech/Luff Line Poly 2mm x 500m
LL03	Leech/Luff Line Poly 3mm x 400m
LL04	Leech/Luff Line Poly 4mm x 300m
LL045	Leech/Luff Line Poly 4.5mm x 300m
LL055	Leech/Luff Line Poly 5.5mm x 300m
LL02S	Leech Line Spectra 2mm x 100m
LL03S	Leech Line Spectra 3mm x 100m
LL04S	Leech Line Spectra 4mm x 100m
LL06S	Leech Line Spectra 6mm x 100m

## Shock Cord & VB Cord

Top quality English shockcord with excellent stretch and recovery properties. Nylon covered, available in full reels only.

Part No	Description	Roll size
LSHOCK4MM	Shock Cord Black 4mm x 100m	100m
LSHOCK5MM	Shock Cord Black 5mm x 100m	100m
LSHOCK6MM	Shock Cord Black 6mm x 100m	100m
LSHOCK8MM	Shock Cord Black 8mm x 100m	500m
LVB2MM	VB Cord 2mm x 500m	500m
LVB3MM	VB Cord 3mm x 500m	250m

## Shock Cord Hooks

Part No	Description	Size	Bag Qty
HPNP 387BLK	Small Shock Cord Hook, Black	3-5mm	20
HPNP 388BLK	Small Shock Cord Hook, Black	4-6mm	20
HPNP 389BLK	Small Shock Cord Hook, Black	6-8mm	20



HPNP 387BLK



HPNP 388BLK



HPNP 389BLK



LBOLT 8MM



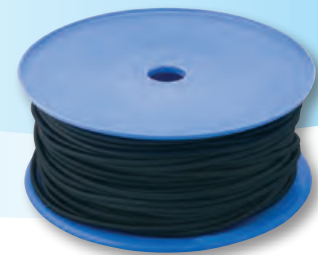
LL015S



LL045



LL04S



LSHOCK8MM



LPVC8MM

Battens

Slides & Cars

Head/Clew Bds.

Rings

Hardware

Tools

Miscellaneous

Materials

Index A-Z



**Nylon Ladder Lock**

Part No	For webbing width in mm	Colour	Bag Qty
H254	20mm	Black	20
H255	25mm	Black	20

**Nylon Side Release**

Part No	For webbing width in mm	Colour	Bag Qty
H250	20mm	Black	20
H251	25mm	Black	20
H252	50mm	Black	20

**PNP Hooks**

Part No	Description	Bag Qty
HPNP 13A	Hook clip with eye	10
HPNP 16	Flag Clip	20
HPNP 22A	Shockcord hook, 5mmø	10
HPNP 22	Shockcord hook, 6mmø	10
HPNP 56	Shockcord Clip, 7mmø	20

**PlastiSeam, 3M Spray Glue & Multi-Purpose 3M**

Part No	Description
HCLPS12	PlastiSeam, Spray Adhesive 12 OZ (355 ML)
HSPRAY77	Spray Adhesive 3M 77
HSPRAY90	Spray Adhesive 3M 90

**Sail and Kite Coating**

2 component coating based on chemical nano-technology.

Part No	Description	Size
HLIS10602	Sail & Kite Coating	125ml



© Australian Sailing Team / Beau Outtridge



## Kikusui Double Sided Seamstick

Non yellowing pure acrylic double sided tape with anti fungicide. A top quality seaming tape, for all materials including P.V.C. giving the best long term bond.

Part No	Width in mm	Roll Length	Boxed Qty
HAD9006K	6mm	50m	192
HAD9009K	9mm	50m	128
HAD9012K	12mm	50m	96
HAD9018K	18mm	50m	64
HAD9024K	24mm	50m	48

## VTACK 1139A Double Sided PET (Mylar) Seamstick

VTACK 1139A is a high performance tape using PET (Mylar) film.

Part No	Width in mm	Roll Length	Boxed Qty
HAD9006V	6mm	50m	200
HAD9009V	9mm	50m	132
HAD9012V	12mm	50m	96
HAD9018V	18mm	50m	64
HAD9024V	24mm	50m	48

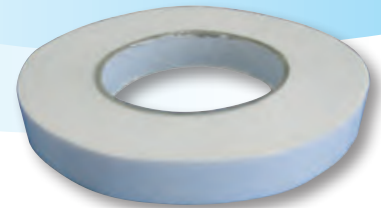
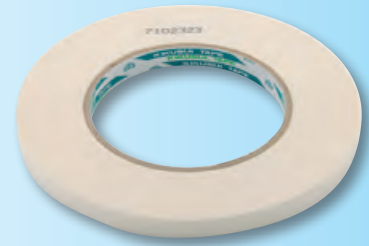
## Captain Double Sided Seamstick for Laminate fabrics

Designed for shear resistance when seaming laminate sails and Maxx® sails. The cloth carrier construction and pure acrylic glue system, out performs all other seaming tapes for shear resistance. On Maxx® sails use minimum of 1mm of seam width for every foot of boat length and three rows of three step zig-zag stitching. Increase the head seams and clew seams by 25% with an extra row of three step zig-zag for optimum seam performance.

Part No	Width in mm	Roll length
HAD9012C-WHITE	12mm	45.72m
HAD9012C-BLACK	12mm	45.72m
HAD9015C-WHITE	15mm	45.72m
HAD9015C-BLACK	15mm	45.72m
HAD9018C-WHITE	18mm	45.72m
HAD9018C-BLACK	18mm	45.72m
HAD9025C-WHITE	25mm	45.72m
HAD9025C-BLACK	25mm	45.72m

## All-Weather Writing Pad

Part No	Description
HRITE	Pads are 3" x 5" Durable laminate covers and grid lined waterproof paper.



Head, Tack, Clew and Go the Extra Mile Stickers available on request.



Marine / Awnings / Covers

WeatherMAX<sup>®</sup>  
What Fabric Can Do<sup>™</sup>

materials



The Perfect Symmetry of  
Form and Function

Contender Sailcloth Pty Ltd is the distributor for WeatherMAX cover and awning material – a fabric that combines breakthrough UV technology with water resistance and durability. WeatherMAX is the perfect balance of science, toughness and style. The WeatherMAX fabric has taken away the need to make a choice between a waterproof and a breathable fabric by offering a solution to both. WeatherMAX is available in two weights and a wide range of colours to suit all applications.





# High Performance Outdoor Fabric

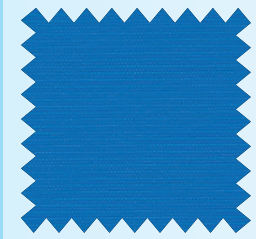
From the blistering sun of the Australian outback to the soaking rains of the Brazilian rain forests, nothing handles the changing moods of Mother Nature better than WeatherMAX.<sup>®</sup>

WeatherMAX is the utility infielder of outdoor fabrics. It performs great in whatever application you put it, whether you need high strength, lightweight, superior water resistance or high breathability. This patented fabric is unmatched with its overall performance, durability, protection level and ease of handling.

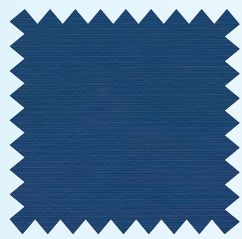
Don't let its attractive appearance and ease of handling obscure the fact—this is one of the strongest outdoor fabrics available. The exclusive SaturaMax+ fiber is the backbone of our patented WeatherMAX fabric and combined with its unique weave and new advanced HydroMax+ breathable storm resistant finish, WeatherMAX is even better than before.



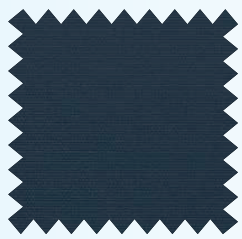




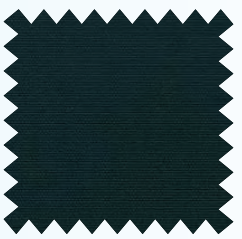
**PACIFIC BLUE** X  
WeatherMAX 80 29346  
WeatherMAX LT 29345  
WeatherMAX FR FR346



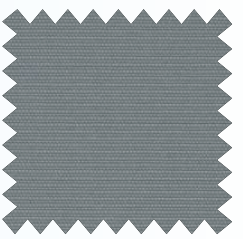
**ROYAL** X  
WeatherMAX 80 29401  
WeatherMAX FR FR401



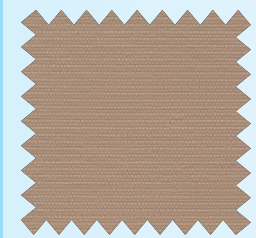
**CAPTAIN NAVY** X  
WeatherMAX 80 29354  
WeatherMAX 80W 29462  
WeatherMAX LT 29353  
WeatherMAX FR FR354



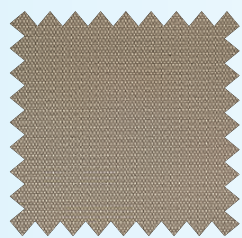
**BLACK** X  
WeatherMAX 80 29355  
WeatherMAX 80W 29439  
WeatherMAX LT 29335  
WeatherMAX FR FR355



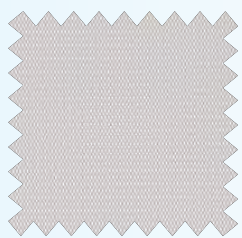
**LIGHT CHARCOAL** X  
WeatherMAX 80 29334  
WeatherMAX 80W 29446  
WeatherMAX LT 29333  
WeatherMAX FR FR334



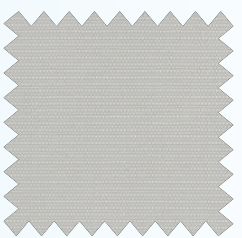
**TOAST** X  
WeatherMAX 80 29348  
WeatherMAX LT 29347  
WeatherMAX FR FR348



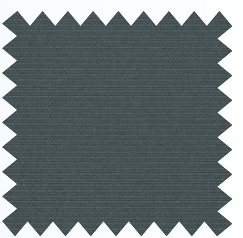
**SAND** X  
WeatherMAX 80 29376



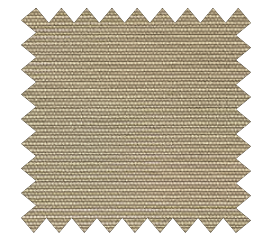
**OYSTER** X  
WeatherMAX 80\* 29423



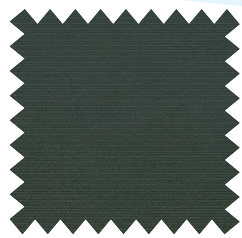
**MIST** X  
WeatherMAX 80 29468  
WeatherMAX LT 29469



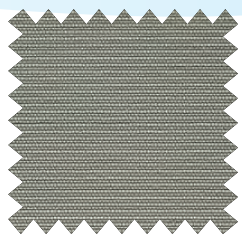
**GRAPHITE** X  
WeatherMAX 80 29431  
WeatherMAX FR FR431



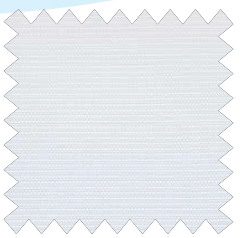
**BEIGE** X  
WeatherMAX 80 29389



**MOSS** X  
WeatherMAX 80 29403  
WeatherMAX FR FR403



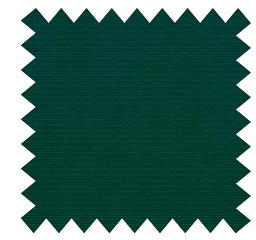
**TAUPE** X  
WeatherMAX 80 29377



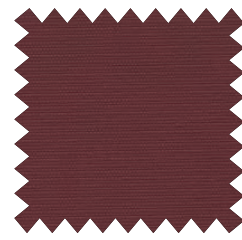
**WHITE** X  
WeatherMAX 80\* 29371  
WeatherMAX LT 29372



**YELLOW** X  
WeatherMAX 80 29352  
WeatherMAX LT 29350



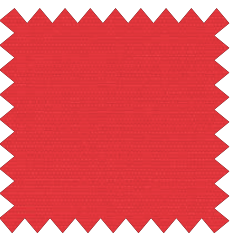
**FOREST GREEN** X  
WeatherMAX 80 29342  
WeatherMAX LT 29341  
WeatherMAX FR FR342



**BURGUNDY** X  
WeatherMAX 80 29338  
WeatherMAX FR FR338



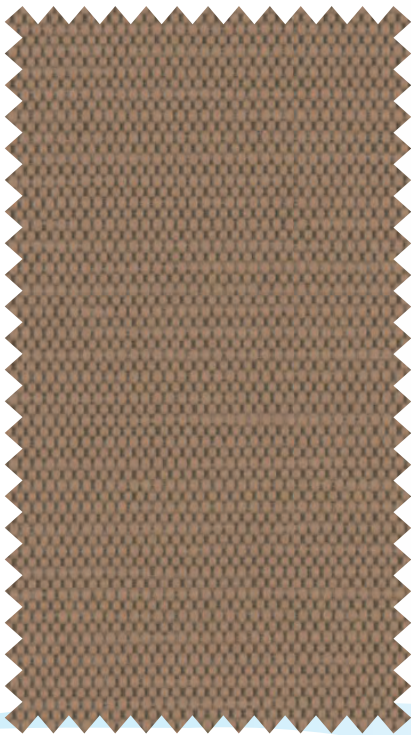
**SCARLET** X  
WeatherMAX 80\* 29374



**TRUE RED** X  
WeatherMAX 80\* 29344  
WeatherMAX FR FR344

W: Denotes 80" wide goods. \*Denotes 3-year limited warranty.

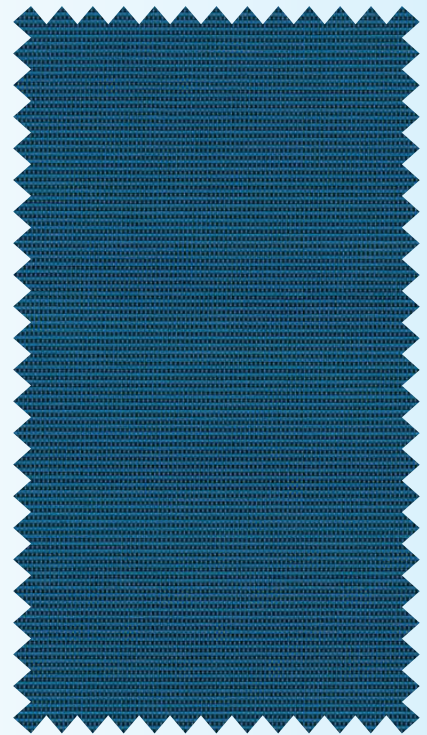




**SANDSTONE HEATHER** X  
WeatherMAX 80 29470



**SLATE HEATHER** X  
WeatherMAX 80 29471

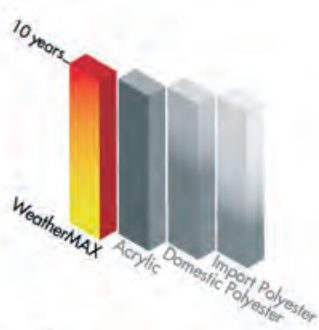


**SAPPHIRE TWEED** X  
WeatherMAX 80 29396

Tweed fabrics have a lighter & darker side. Either side can serve as the outer face.

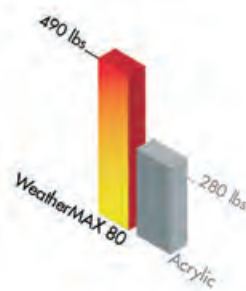
### Color Retention

Solution-dyed fabrics



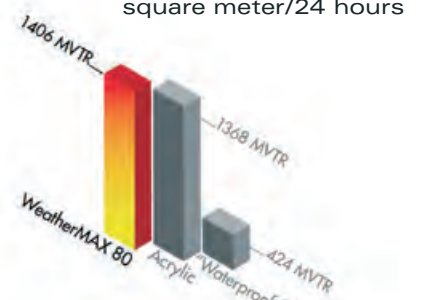
### Fabric Strength

WeatherMAX has almost 2x the breaking strength



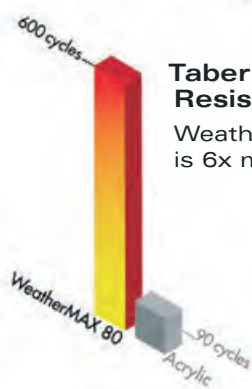
### Moisture Vapor Transmission

ASTM E96 grams/square meter/24 hours



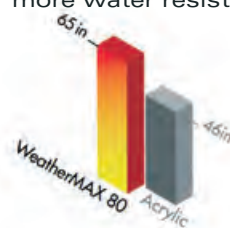
### Taber Abrasion Resistance

WeatherMAX is 6x more durable



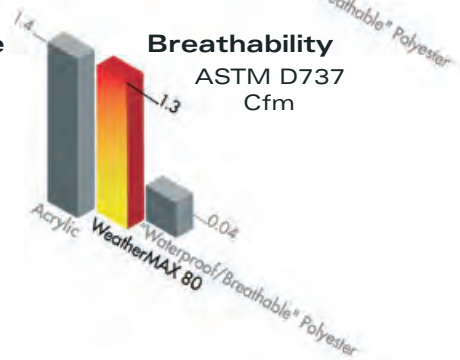
### Hydrostatic Pressure

WeatherMAX is 33% more water resistant



### Breathability

ASTM D737 Cfm





“WeatherMAX 80, the best thing to happen in the cover making world in the last ten years.”

Dolphin Sails Harwich, UK



materials

**WeatherMAX® 80**

Super high strength and durability combine with long-term colour retention to deliver a truly versatile outdoor fabric for a variety of applications. The industry’s most balanced and cost-effective fabric available for marine covers and tops, awnings, or other outdoor applications requiring outstanding durability, higher water repellence and excellent breathability.

**5-Year Limited Warranty**

(excludes Scarlet, True Red, White and Oyster fabrics, which feature a 3-year limited warranty).

**WeatherMAX® LT**

High strength and the same inherent fade resistant properties found in our WeatherMAX 80 fabric, all packed into a true lighter weight fabric. The perfect choice for patio furniture covers, equestrian covers, or other applications where lightweight and ease of packing offer an advantage.

**3-Year Limited Warranty**

**WeatherMAX® FR**

The proven performance of our innovative WeatherMAX 80 fabric combined with flame resistance properties that meet or exceed the most stringent requirements. WeatherMAX FR is ideally suited for awnings, tents, or any outdoor application requiring resistance to heat and flames, long-term colour retention and superior protection from the elements.

**5-Year Limited Warranty**

(excludes True Red fabrics which feature a 3-year limited warranty).



Properties	Weather <b>MAX 80</b>	Weather <b>MAX LT</b>	Weather <b>MAX FR</b>
Fabric Weight	8.0 oz/yd <sup>2</sup> (271 g/m <sup>2</sup> )	6.5 oz/yd <sup>2</sup> (220 g/m <sup>2</sup> )	9.75 oz/yd <sup>2</sup> (330 g/m <sup>2</sup> )
Thickness	0.41 mm	0.31 mm	0.44 mm
Width-Fused Edge	60 in (152 cm)	60 in (152 cm)	60 in (152 cm)
Put Up	75 yards (69 meters)	100 yards (91 meters)	65 yards (59 meters)
Tensile Strength ASTM D5034 (warp x fill/lbs.)	490 x 392	430 x 270	460 x 360
Mullen Burst ASTM D3786 (psi)	420	292	393
Tongue Tear ASTM D2261 (warp x fill/lbs.)	20 x 18	15 x 10	13 x 15
Hydrostatic Pressure AATCC 127 (cm)	65	42	90+
Rain Test 2 minutes/600 mm	0.007	0.023	0.00
Spray Rating AATCC 22	100	100	100
Air Permeability Moisture Vapor Transmission (ASTM E96 Procedure B - Open Cup) 1406 g / m <sup>2</sup> / 24 hours ASTM D737 (cfm)	1.3	1.5	0.2
Cold Crack 40°/ASTM D1912	Pass	Pass	Pass
UPF (Ultraviolet Factor)	50+	50+	50+
UVA & UVB (Ultraviolet Blockage)	Over 99%	Over 99%	Over 99%
Color Fastness to Light AATCC 169 option 1 (1500 hours: scale 1 - 5)	4 - 5	4 - 5	4 - 5
Bundesmann Rating Water Repellency (grand 1-5) Water Absorption	5 3.2%	5 3.2%	5 3.2%

### Specifications

Made with solution-dyed SaturaMax®. Finished with exclusive HydroMax technology for water, dirt and mildew resistance. WeatherMAX® is also available as WeatherMAX FR for flame retardant applications to meet CSFM T19, CPAI-84, NFPA701, CAN/ULC-S109, FMVSS 302 and ASTM-E84 Class A.

### Care Instructions

WeatherMAX fabrics may be spot washed by using a soapy solution of a mild detergent and lukewarm water. Rinse thoroughly with clean water to remove soap and allow to air dry. For mildew stains, prepare a solution of (1) cup bleach plus (½) cup of mild detergent per gallon of water. Spray on the entire area and allow soaking. Rinse with clean water and allow to air dry.

### WeatherMAX Warranty

The limited warranty covers only the fabric being unserviceable because of loss of strength and/or colour from normal conditions of exposure. That includes sunlight, mildew and atmospheric chemicals. Labour and installation supplied by the fabricator and/or installer are not covered. The consumer is responsible for normal care, cleaning and maintenance of the fabric.

- \* The warranty runs for 5 years from the date of original purchase for WeatherMAX 80 fabrics.  
Excludes Oyster, Scarlet, True Red and White fabrics which feature a 3-year limited warranty.
- \* The warranty runs for 5 years from the date of original purchase for WeatherMAX FR fabrics.  
Excludes True Red fabrics which feature a 3-year limited warranty.
- \* The warranty runs for 3 years from the date of original purchase for WeatherMAX LT fabrics.
- \* We will supply new fabric, free of charge, to replace the unserviceable fabric.
- \* Call your dealer who will contact us to request fabric replacement.
- \* A valid copy of the original invoice, showing date of purchase, is required for fabric replacement.

### WeatherMAX FR Australian Certification

Methods for Fire Tests on Building Materials, Components and Structures.

AS 1530.2-1993 Part 2: Test for Flammability of Materials AS/NZS 1530.3-1999 Methods for Fire Tests on Building Materials, Components and Structures

AS 1530.3-1993 Part 3: Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release.





# WeatherMAX<sup>®</sup> 3D

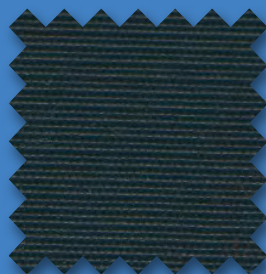
What Fabric Can Do<sup>™</sup>



LIGHT CHARCOAL 3D334 **X**



MIST 3D468 **X**



BLACK 3D355 **X**



WHITE 3D371 **X**



## The Future of Fabric is Taking Shape

Introducing WeatherMAX 3D, the newest addition to our outdoor fabric line. WeatherMAX 3D utilizes the same fibre technology that has powered WeatherMAX fabrics to be durable with long-term UV and fade resistance. However, conventional marine fabrics are inherently dimensionally stable and therefore only move on two axes, causing significant problems in fitting difficult patterns or forms. The unique construction of WeatherMAX 3D produces high levels of elasticity to provide flexibility in three dimensions and form-fit virtually anything now and in the future.

Under tension WeatherMAX 3D stretches up to 20% and when tension is released it contracts to its original size.

WeatherMAX 3D offers enhanced UV protection, water resistance, breathability and will form to fit any outdoor canvas imaginable. WeatherMAX 3D is soft and pliable, yet it is highly resistant to rips, tears and abrasion. WeatherMAX 3D is ideal for yacht sun shades, protective engine or seat covers or any application that demands outdoor durability and elasticity. While WeatherMAX 3D offers water shedding properties it is not intended to provide the same level of water resistance as our WeatherMAX 80 fabric.

## Care Instructions

WeatherMAX fabrics may be spot washed using a soapy solution of a mild detergent and lukewarm water. Rinse thoroughly with clean water to remove soap and allow to air dry. For mildew stains, prepare a solution of (1) cup bleach plus (½) cup of mild detergent per gallon of water. Spray on the entire area and allow soaking. Rinse with clean water and allow to air dry.

## WeatherMAX 3D Warranty

The limited warranty covers only the fabric being unserviceable because of loss of strength and/or colour from normal conditions of exposure. That includes sunlight, mildew and atmospheric chemicals. Labour and installation supplied by the fabricator and/or installer are not covered. The consumer is responsible for normal care, cleaning and maintenance of the fabric.

- \* The warranty runs for 5 years from the date of original purchase for WeatherMAX 3D.
- \* We will supply new fabric, free of charge, to replace the unserviceable fabric.
- \* Call your dealer who will contact us to request fabric replacement.
- \* A valid copy of the original invoice, showing date of purchase, is required for fabric replacement.

## Properties

Weight ASTM D3776 (oz/yd <sup>2</sup> )	7.2
Put Up (yds.)	75
Width Selvedge Edge (in.)	61-62
Tensile Strength ASTM D5034 (lbs.)	W x F 225 x 290
Stretch (percent)	W x F 12 x 20
Tongue Tear ASTM D4533 (lbs.)	W x F 30 x 20
Recovery BS 4294:1968 - 3kg (%)	L x W 100 x 100
Spray Rating AATCC 22 (scale)	100
Hydrostatic Test AATCC 127 (in.)	15
Colorfastness to Light AATCC 169 (grade 1 - 5) (1500 accelerated hours)	4 - 5
Breathability Test ASTM D 737 (125pa)	42

## Specifications

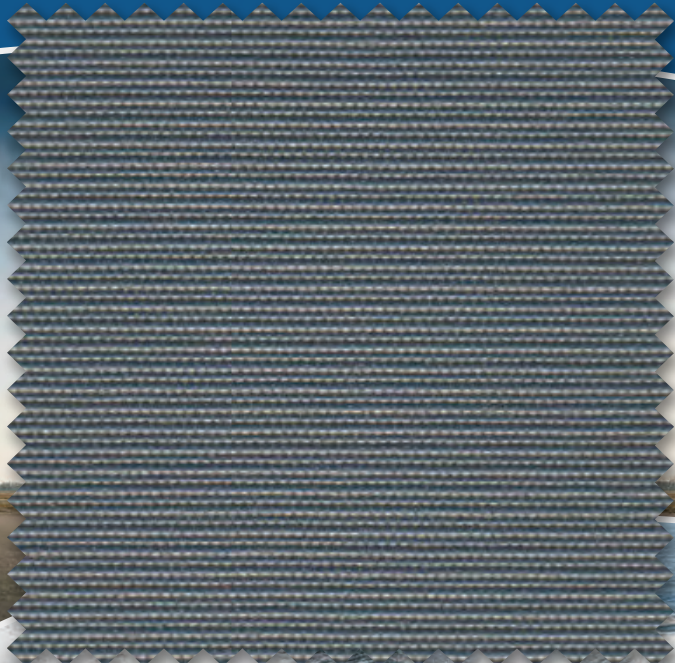
- \* Made of 100% SaturaMax<sup>®</sup> for ultra-high UV resistance.
- \* Finished with DWR (no coating)
- \* Made in U.S.A.





# WeatherMAX SG

What Fabric Can Do™



LIGHT CHARCOAL SG334 X



GRAPHITES G431 X



BLACK SG355 X



TOAST SG348 X



WHITE SG371 X



Coverage with a Softer Side

WeatherMAX SG (Surface Guard) is the latest addition to our outdoor fabric line. WeatherMAX SG starts with the worldwide proven performance and durability of solution-dyed WeatherMAX 80 with an added soft backing to provide an extra level of scratch and scuff resistance for highend surfaces.

Most soft-backed outdoor fabrics use an inexpensive needle-punch polyester, which creates a felt-like soft backing but also collects and holds dirt and contaminants that can cause scratching. These low-cost backings also absorb and hold water, creating a multitude of issues. WeatherMAX SG uses a flannel-like backing. While it is more expensive, it is less bulky and does not entangle contaminants like a needle-punched polyester.

What makes WeatherMAX SG unique is that it brings the high water resistance combined with real breathability for which WeatherMAX 80 is known. Our unique processes for laminating maintains the ideal balance. We even take the extra step of applying our HydroMax finish to both sides of the composite fabric, further enhancing the water shedding capabilities of the fabric.

## Care Instructions

WeatherMAX fabrics may be spot washed using a soapy solution of a mild detergent and lukewarm water. Rinse thoroughly with clean water to remove soap and allow to air dry. For mildew stains, prepare a solution of (1) cup bleach plus (½) cup of mild detergent per gallon of water. Spray on the entire area and allow soaking. Rinse with clean water and allow to air dry.

## WeatherMAX SG Warranty

The limited warranty covers only the fabric being unserviceable because of loss of strength and/or colour from normal conditions of exposure. That includes sunlight, mildew and atmospheric chemicals. Labour and installation supplied by the fabricator and/or installer are not covered. The consumer is responsible for normal care, cleaning and maintenance of the fabric.

- \* The warranty runs for 5 years from the date of original purchase for WeatherMAX SG.
- \* We will supply new fabric, free of charge, to replace the unserviceable fabric.
- \* Call your dealer who will contact us to request fabric replacement.
- \* A valid copy of the original invoice, showing date of purchase, is required for fabric replacement.

## Properties

<b>Weight</b> ASTM D3776 (oz/yd <sup>2</sup> )	10.5
<b>Tensile Strength</b> ASTM D5034 (lbs.)	W x F 605 x 452
<b>Tongue Tear</b> ASTM D4533 (lbs.)	W x F 18 x 20
<b>Spray Rating</b> AATCC 22 (scale)	100
<b>Hydrostatic Test</b> AATCC 127 (in.)	48
<b>Water Repellency</b> AATCC DuPont (grade 1-6)	6
<b>Oil Repellency</b> AATCC 118-1983 (grade 1-6)	4
<b>Colorfastness to Light</b> (no filters) AATCC 169 (grade) (1500 accelerated hours)	4 - 5
<b>UPF</b> (Ultraviolet Protection Factor) AATCC 183 (score)	50+
<b>UVA &amp; UVB</b> (Ultraviolet Blockage) AATCC 183	Over 99%

## Specifications

- \* Made in U.S.A.
- \* Roll Size: 54.8m
- \* Width: 155cm slit
- \* Meets California Proposition 65





**WeatherMAX PSA & WeatherMAX LT PSA**

Contender has produced a self adhesive UV strip from WeatherMAX LT and WeatherMAX 80 White giving it the colour fastness and durability of WeatherMAX. The WeatherMAX LT is available in five colours (White, Light Charcoal, Pacific Blue, Captain Navy and Black) and sold by the metre for optimum usage without waste.

WeatherMAX LT PSA is ideal for privately owned yachts up to 50' where protection from the UV and a smooth leech is the important criteria. For larger yachts and commercial applications such as charter boats, we recommend WeatherMAX 80 PSA White where protection from the UV and the ultimate abrasion resistance is the important criteria. Roll width is 152cm and length is 32m.

Part No	Description	Width
WMAX80PSAWHITE	WeatherMAX 80 PSA White	152 cm
WMAXLTPSAWHITE	WeatherMAX LT PSA White	152 cm
WMAXLTPSALTCHAR	WeatherMAX LT PSA Light Charcoal	152 cm
WMAXLTSPACBLUE	WeatherMAX LT PSA Pacific Blue	152 cm
WMAXLTSPACAPNAVY	WeatherMAX LT PSA Captain Navy	152 cm
WMAXLTPSABLACK	WeatherMAX LT PSA Black	152 cm

**WeatherMAX Bias Binding**

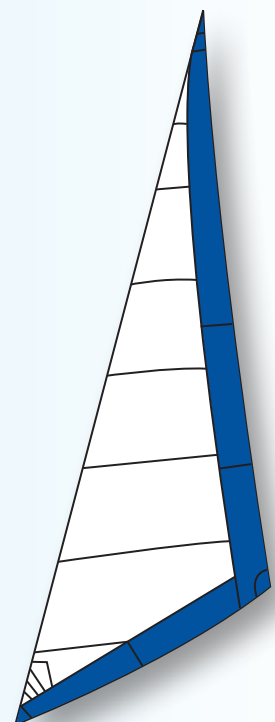
Our Bias Binding utilizes the unique qualities of the WeatherMAX 80 to produce the best bias binding available. It is 44mm wide WeatherMAX 80 folded and fused to 22mm 7/8" finished width. Its fantastic abrasion resistance and superb colour retention make this Bias Binding suitable for all applications and will out perform all others. A Susei binder is available for ease of production and a truly professional finish. Sold per roll. Rolls are between 50-100m long. Bias Binding is available in the full WeatherMAX 80 colour range. Please specify the desired colour when ordering.

Part No	Description
WMAXBB+COLOUR	WeatherMAX 80 22mm bias binding
WMAXBINDER-22MM	Susei Binder for WeatherMAX 22mm bias binding
WMAXBINDER-25MM	Susei Binder for 25mm bias binding

**WeatherMax Soft Touch**

WeatherMAX Soft Touch is a low alternative to the SG using a Polyester Needle Punch backing. We laminate this in Sydney and it can be supplied in any WeatherMAX colour. Minimal order is 20 metres.

Part No	Description	Width
WMAXST80+COLOUR	WeatherMAX 80 Soft Touch	152 cm



Susei Binder

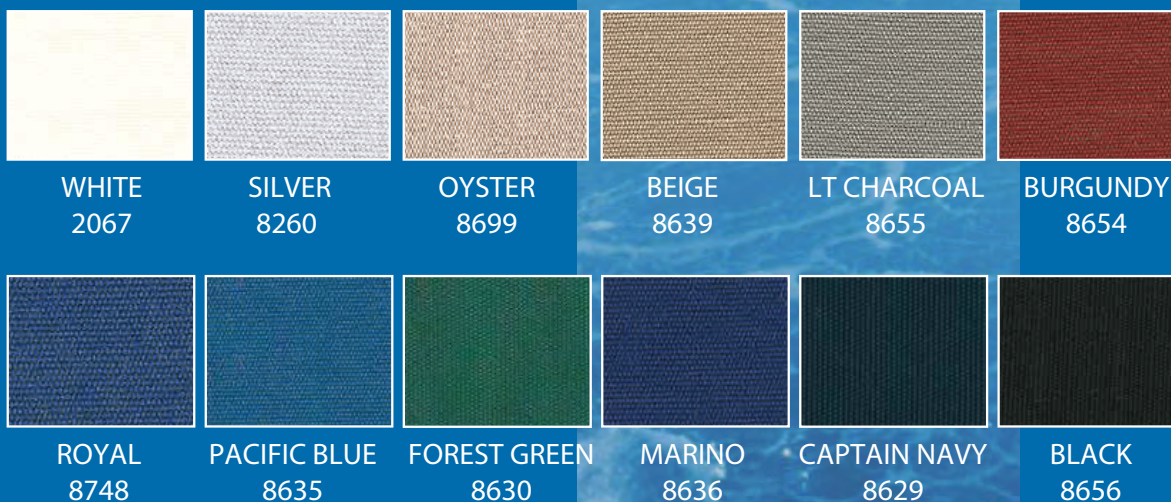


BRS Offroad is an Australian owned and made high end off-road camper trailer manufacturer who choose WeatherMAX 80 for their annexes and awnings.



# CONTENDER SAILCLOTH®

*Ask for A4 size  
sample book*




**masacril®** Acrylic Fabrics  
EXCLUSIVE ACRYLIC FIBER 200 cm / 78" wide

### Masacril Acrylic Fabric

Description	Weight	Width	Roll/mtrs
Acrylic Fabric	274g/m	200m	50

Battens

Slides & Cars

Head/Clew Bds.

Rings

Hardware

Tools

Miscellaneous

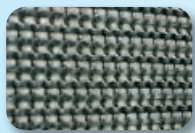
Materials

Index A-Z

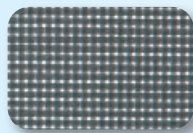


## Contender Mesh

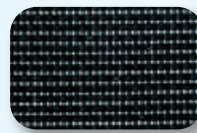
Part No	Description	Weight	Width in cm	Roll mtrs
CRLENO	Black Leno mesh 100% Nylon Super Strong (Uncoated)	270g/m	150cm	45.72
CRBLACK76	Black Super Smooth trampoline mesh	290g/m	190cm	100
CRGREY76	Grey Super Smooth trampoline mesh	290g/m	190cm	100
F492-8100	White Ferrari Trampoline Mesh	1000g/m	180cm	50
CRSUPER	Grey Superscreen 105 Trampoline Mesh	530g/m	187cm	50



CRLENO BLACK LENO MESH



CRGREY76



CRBLACK76



F492-8100



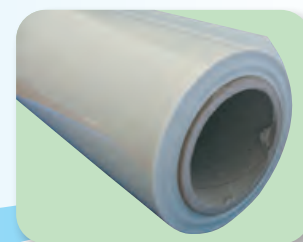
CRSUPER

Brand	Weight	Tensile	Tear	Elongation	Warranty	Lacquer
Ferrari SF492	1050gsm	5000/5000 N/5cm	180/180 daN	precontraint	10	S2 weldable PDVF
Superscreen 105	530gsm	3756/4083 N/5cm	1010 x 1150 N	23%/25%	5	PVC Coated Polyester

## Opaque Mylar® Pattern Material

Quality Mylar® pattern material.

Part No	Description	Width in mm	Roll mtrs
HCYPAT	190 Micron mylar® opaque	1700mm	40



## Window Material

Part No	Description	Width
CAX30	Reinforced Mono film 3MIL. Made in USA. Suitable for Dinghy sails.	153cm
CAX40	Reinforced Mono film 4MIL. Made in USA. Suitable for Dinghy sails.	137cm



AX30

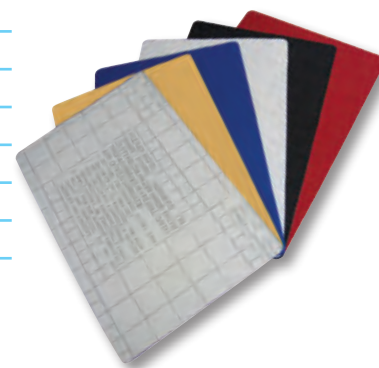


AX40

## Captain Insignia Fabric on 45.72 metre rolls

Adhesive backed polyester fabric for numbers, letters, tapes and graphic designs.

Part No	Colour	Width
CD3000 CAP	White	54" / 137 cm
CD3008 CAP	Black	54" / 137 cm
CD3002 CAP	Blue	54" / 137 cm
CD3001 CAP	Red	54" / 137 cm
CD3004 CAP	Yellow	54" / 137 cm
CD3009 CAP	Grey	54" / 137 cm
CD3005 CAP	Green	54" / 137 cm
CD3016 CAP	Flouro Orange	54" / 137 cm



## UV Coated Adhesive Backed Insignia

Our UV Coated Insignia is a versatile product. As well as being ideal for use with sail UV covers, the finish is ideal for Digital Printing solutions such as logos and branding. Imagine your brand on your Main! Contact us for a quote.

Part No	Description	Width/Roll
CPUVUS 3.5	UV COATED INSIGNIA	135 cm / 45.72M



## Patch Engineering

A new way to make spinnaker patches. New to our range of sailcloths, is full roll widths of SuperKote 90 and 150 with PSA (pressure sensitive adhesive) applied. Benefits for the sailmaker are superior permanent adhesion, faster to apply, no yellowing, smoother sail and better distribution of corner loads. Sold per metre.

Part No	Description	Colour	Width
CN12900-PSA	SuperKote 90	Natural*	150cm
CN11500SK-PSA	SuperKote 150	Natural*	150cm
HAD90100PSA	Double sided Seamstick for All Purpose Patch Engineering		100cm / 10m

\*Other colours available, min order 100m.

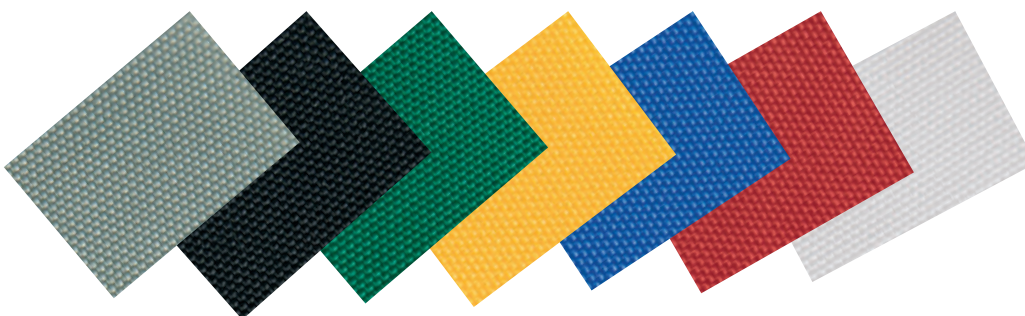
## Reinforced Mono Film with PSA Backing

Part No	Description	Width/Roll
CAX30PSA	Reinforced Mono film 3MIL. with Pressure Sensitive Adhesive. Made in USA. Suitable for Dinghy sails.	153cm / per metre

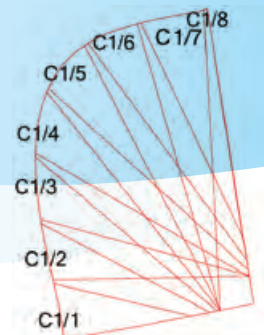
## Bag Cloth 40 Denier Oxford Nylon

Available in the following colours :- Black, White, Yellow, Navy Blue, Green, Silver, Red. Rolls usually 100 metres.

Part No	Description	Colour	Width
CNB2500	Bagcloth 420 Denier Oxford Nylon	150cm	White
CNB2501	Bagcloth 420 Denier Oxford Nylon	150cm	Red
CNB2502	Bagcloth 420 Denier Oxford Nylon	150cm	Blue
CNB2504	Bagcloth 420 Denier Oxford Nylon	150cm	Yellow
CNB2505	Bagcloth 420 Denier Oxford Nylon	150cm	Green
CNB2508	Bagcloth 420 Denier Oxford Nylon	150cm	Black
CNB2509	Bagcloth 420 Denier Oxford Nylon	150cm	Silver



7oz TanBark sail with logos digitally printed on UV Insignia.



PATCH ENGINEERING

Battens

Slides & Cars

Head/Clew Bds.

Rings

Hardware

Tools

Miscellaneous

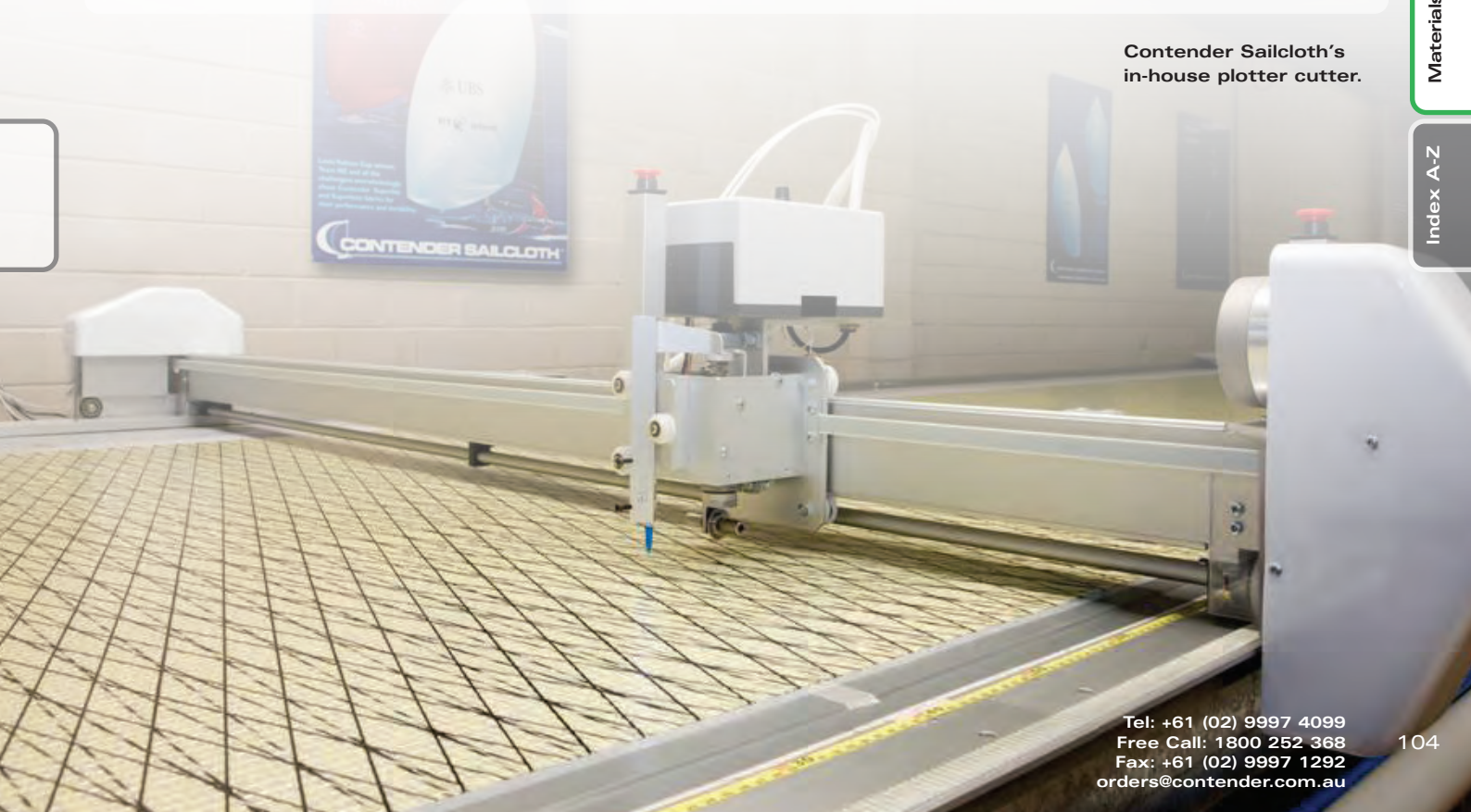
Materials

Index A-Z

<b>A</b>					
Acrylic Masacril	100	Corner Thimbles by Rutgerson	63	Leather	70
Adhesive Spray Glue	87	Cutters Hole	63	Leather Palms	71
Adhesive Tapes	68	Cutting Blades	72	Leech Batten Adjusters	30,33
Adjustable Receptacle	36	<b>D</b>		Leech Cover Materials UV	99,102
Adjustable Buckles	87	Dabond® Thread	77	Leech Line	86
Adjustable Clew Board	55	Dacron Insignia	101	Leech Line Blocks	59
All-Weather Writing Pad	88	Dacron Seamstick	88	Leech Line Cleats	65-66
Aluminium Racing Cleat	66	Dacron Tapes	69	Leno Black Mesh	101
Aluminium Rivets	58	Double Sided Tape	88,102	Letters - Pre Cut	68
Application Charts for Battens 2,16-17		Draft Stripes	68	Limousine Batten Cars	43
Awls	72	Dyneema Webbing	80	Liners Stainless Steel	57
<b>B</b>				Low Friction Rings	59
Bag Cloth	102	<b>E</b>		Loxx Fastening Solutions	83
Battcars – Rutgerson	38-45	Edging Webbing	80	Luff Foam	68
Batten Application Chart	2,16-17	Eglass Woven Sheets	29	Luff Line	86
Batten Coils	11-12	Engel® Heat Cutter	72	Luff Tape	70
Batten Connectors	32	Eyelets – Nickel Plated	62	Luff Tape Application Chart	70
Batten Endcaps - BlueStreak®	13-14	<b>F</b>		Luminous Draft Stripes	68
Batten Endcaps - PNP	33	Fabrics – Boat Cover	89-94	<b>M</b>	
Batten Endcaps - RBS	29-31	Fabrics – Insignia	101	Machine Thread	73-79
Batten Endcaps - Round	14	Fabrics – Mesh	101	Mara Sewing Thread	75-76
Batten Endcaps - Rutgerson	32, 34-37	Fabrics – Window	101	Masacril Acrylic	100
Batten Lengths - BlueStreak®	11-12	Fasteners – Hook & Loop	82	Maxi Rings	62
Batten Rods	12	Fasteners – Loxx	83	MDS Slides	49
Battens – Bluestreak®	1-12	Ferrari Mesh	101	Mesh Drain Cloth & Trampoline Fabric	101
Battens - Carbon	28	Flag Clips	87	Monofilm	101 - 102
Battens - RBS	15-28	Foam - Closed Cell	68	Mushroom Head Push Pins	72
Battery Heat Cutter	72	Folder – Tape	69	Mylar Pattern Material	101
Blades - Olfa	72	<b>G</b>		<b>N</b>	
Blades - Webbing Engel® Hot Knife	72	GranSegel Cleats	65	Needles	71
Blocks	58-59	Grommets – Stimpson	62	Nickel Plated Grommets	62
Boat Cover Material	89-94	Grommets Tools	63	Number Cloth	101
Bolt Rope	86	<b>H</b>		Numbers	68
Buckles	87	Hammers – Nylon Faced	71	Nylon Bag Cloth	102
<b>C</b>				<b>O</b>	
Captain Insignia	101	Hand Punches	63	Olfa Cutting Blades	72
Captain Seamstick	88	Hand Sewing Thread	77	Open Ended Zips	84
Chafe Protectors Rondo®	67	Hanks	67	Outhaul Slides	49
Clam Cleats	65-66	Headboards	50-55	<b>P</b>	
Cleats GranSegel	65	Hole Cutters	63	Pad Eyes	63
Clew Slides Rutgerson	49	Hook & Loop	82	Palms Sewing	71
Clewblocks	58	Hooks	86-87	Patch Engineering	102
Clewboards	55-56	Hot Knife	72	Pattern Material	101
Closed Cell Foam	68	<b>I</b>		Piston Hanks	67
Closing Tool - Rivets	58	Insignia Cloth	101	Plastic Hooks	86-87
Closing Tools – Grommets	63	Insignia Tapes	68	Plastic Sail Track	82
Closing Tools - Liners	57	<b>J</b>		Plastiseam	87
Closing Tools – SR Rings	64	Jackstay Webbing	81	Polyester Insignia Cloth	101
Closing Tools – Stimpson	63	Jib Hanks	67	Press Rings Rutgerson	61
Coil Zips	84	<b>K</b>		Pressure Absorbing Slides	38-45
Coloured Draft Stripe	68	Keddar Tape	82	Protectors Rondo® Chafe	67
Coloured Slit Sailcloth	69	Kikusui Seamstick	88	Punches – Holes	63
Coloured Webbing	81	Kite Coating	87	Push Pins	72
		Knee Pads	72		
		<b>L</b>			
		Ladder Lock Buckles	87		



<b>R</b>					
RBS Battens	15-28	Shockcord	86	Tri-Ply Woven Sheets	29
RBS PET Woven Eglass	29	Shockcord Hooks	86-87	Tubular Webbing	81
Receptacles	34-37	Side Release Buckles	87	<b>U</b>	
Reef Blocks	59	Slide Application Chart	45-46	Unpickers	72
Reinforced Eglass Woven Sheets	29	Slug Slides	47-49	UV Insignia	102
Removing Tool Super Rings	64	Solbond Sewing Thread	73-74	<b>V</b>	
Repair Tape	68	Spinnaker Repair Tape	68	VB Chord	86
Rings - Stainless Steel	62	Spray Adhesive	87	Velcro® Fasteners Hook & Loop	82
Rippers Seam	72	Spreader Protectors Rondo	67	Vislon Zips Continuous	84
Rite in the Rain	88	Stainless Steel Rings	62	Vislon Zips Open Ended	84
Rivet Closing Tools	58	Stickers	88	VTACK Seamstick	88
Rivets Aluminium	58	Stimpson Grommets	62	<b>W</b>	
Rod Battens	12	Super Rings	61	Waxed Threads	77
Roller Battens Rutgerson	2	SuperKote with PSA	102	WeatherMAX	89-99
Rondo® Chafe Protectors	67	<b>T</b>		WeatherMAX 3D	95-96
Ropes	86	Tape Folder	69	WeatherMAX Bias Binding	99
<b>S</b>		Tape Slit Sailcloth	69	WeatherMAX FR	93-94
Sail Bag Material	102	Tapes - Luff Tapes	68	WeatherMAX LT	93-94
Sail Coating	87	Tapes - Repair	68	WeatherMAX PSA	99
Sail Edge Cleats	65-66	Tapes - Seamstick	88	WeatherMAX SG	97-98
Sail Numbers	68	Teflon Tape	69	WeatherMAX Soft Touch	99
Sail Repair Tape	68	Tenara Thread	78-79	Webbing	80-81
Sail stickers	88	Thimbles Wire Support	63	Wichard® Hanks	67
Sail Track - Plastic	82	Thread - Dabond®	77	Window Materials	101-102
Scissors	71	Thread - Mara	75-76	Wire Support Thimbles	63
Scratch Awls	72	Thread - Solbond	73-74	Writing Pad	88
Seam Rippers	72	Thread - Tenara	78-79	<b>X</b>	
Seamcoat	87	Thread Waxed	77	X-Ply Woven Sheets	29
Seamstick	88,102	Titanium Super Rings	61	<b>Z</b>	
Seatbelt Webbing	81	Tools - Grommets	63	Zip - Sliders	85
Selden Slides	49	Tools - Headboard Liners	57	Zips - Continuous	84
Sewing Thread	73-79	Tools - Rutgerson	63	Zips - Open Ended	84
Shackles Plastic	47	Tools - Sailmakers	71-72	Zwicky Sewing Thread	73-76
		Trampoline Mesh	101		



Contender Sailcloth's in-house plotter cutter.



# terms of trading

All prices quoted are in Australian \$ and exclusive of GST ex warehouse Mona Vale NSW. Prices are subject to alteration without notice.

Payment is strictly net on the 25th of the month following the date of invoice.

If payment is not received by the 25th of the following month we reserve the right to charge 3% of the value of the order for every month or part thereof that the account is outstanding. Shipment of new orders may be withheld in the event of an account being overdue.

Ownership of the goods does not pass until payment is made in full.

Free Freight for orders over \$2,500 including GST. Special Freight terms may apply for areas outside capital cities and for over-size shipments.

Please note a 1.5% surcharge applies to all credit card payments. We do not accept American Express credit cards.

Return of goods must be by prior arrangement. Any goods returned for credit must be delivered to our warehouse within 60 days of invoice date.

Liability: All materials sold by Contender have been specifically developed for the manufacture of sails and/or other marine associated applications. Contender cannot be held liable in cases where their products are used otherwise.

Product liability is restricted to the value of the single items delivered. All further liabilities are excluded.

Contender Sailcloth Pty Ltd bank details:

ANZ Bank

Address: 10-12 Bungan Street,  
Mona Vale, 2103, Australia

Branch: Mona Vale

Branch Number: 012 349

Account Number: 250 408 906

SWIFT Code: ANZBAU3M



**Contender BVHQ**  
P.O. Box 209, 3640AE  
Nijverheidsweg 17a/b  
Mijdrecht,  
The Netherlands  
Tel: (+31) 0297 237575  
Fax: (+31) 0297 281670  
E-mail: [info@contender.nl](mailto:info@contender.nl)

**Contender US**  
54 Front Street, Fall River,  
Massachusetts 02721-4302 USA  
Tel: (+01) 508 6747700  
Fax: (+01) 508 6747766  
E-mail: [general@contenderus.com](mailto:general@contenderus.com)

**Contender New Zealand**  
3/19 Hannigan drive, P.O. Box  
42-101  
Panmure, Auckland, New Zealand  
Tel: (+64) 09 5272123  
Fax: (+64) 09 5271935  
E-mail: [contender@contender.co.nz](mailto:contender@contender.co.nz)

**Contender UK**  
Unit 12b The 10 Centre,  
Stephensons Road,  
Segensworth South, Fareham,  
PO15 5RU,  
United Kingdom  
Tel: +44 (0) 1329 849035  
Fax: +44 (0) 1329 845863  
E-mail: [general@contender.co.uk](mailto:general@contender.co.uk)  
[www.contender.co.uk](http://www.contender.co.uk)

**Contender France**  
18 Rue Jean Rouxel  
Zac de la Pentecôte  
44700 Orvault  
France  
Tel: (+33) 240 637313  
Fax: (+33) 240 635808  
E-mail: [info@contender.fr](mailto:info@contender.fr)

**Contender Sweden**  
Tel: (+46) 08 261820  
Fax: (+46) 08 267308  
E-mail: [abjenner.son@telia.com](mailto:abjenner.son@telia.com)

**Contender Espana S.L.**  
C/Pep Ventura, 12 Poligon Industrial  
Sud,  
08440 Cardedeu (Barcelona) Spain  
Tel: (+34) 938 462 953  
Fax: (+34) 938 454 761  
E-mail: [info@dismarina.com](mailto:info@dismarina.com)

**Contender Italy**  
Via Aldo Moro, 21, 1-38062 Arco (TN)  
Italy  
Tel: (+39) 0464 514020  
Fax: (+39) 0464 514021  
E-mail: [info@essemarine.com](mailto:info@essemarine.com)

**Contender Germany**  
Wendenstrasse 455, D-20537  
Hamburg  
Germany  
Tel: (+49) 040 21119722  
Fax: (+49) 040 21119730  
E-mail: [contender@lindemann-kg.de](mailto:contender@lindemann-kg.de)

**Contender Sailcloth Pty Ltd.**  
4/a Wilmette Place, Mona Vale 2103 NSW  
Australia

Tel: (+61) 02 9997 4099  
Fax: (+61) 02 9997 1292  
E-mail: [general@contender.com.au](mailto:general@contender.com.au)  
[www.contender.com.au](http://www.contender.com.au)

