

**OPTIPARTS**  
MARINE EQUIPMENT

**W**  
**WINDESIGN**

OPTIPARTS / WINDESIGN  
**COLLECTION**  
**2021**





Optiparts Marine Equipment was founded in 1990 and has grown to a worldwide leading supplier of Optimist spars, fittings and accessories. Our motivated production team and developers are constantly busy with producing and improving our products to the highest standards and needs.

The extensive range of products is exported to more than 80 countries around the world and is used at all major Optimist events worldwide. The name Optiparts® is a registered trademark.

www.optiparts.com  
Tel: +31-30-2414068  
E-mail: mail@optiparts.com

WWW.OPTIPARTS.COM



In 2000 Windesign introduced a clothing collection and accessory range for all dinghy sailors. An expanding brand which has a proven hardware range for Laser® and 420, a large collection of tiller extensions and recently further developed its clothing collection; The MIRA series.

The new branded range of products is exported to more than 80 countries around the world. The name Windesign® is a registered trademark.

**WINDESIGN**  
**SAILING.COM**

Laser® is a registered trademark of Velum limited licenced to Laser Performance limited and Performance Sailcraft Australia Ltd.

Optiparts Marine Equipment b.v. is fully independent of Velum Limited, Laser Performance limited and performance Sailcraft Australia Ltd.



# #Optiparts #WindesignSailing

Join us to connect and communicate through our social media. Keep track of the latest news and share your action, fun and experience with us! Send your photos & videos and help us to innovate our products and promote our brands.



New 2021 products are displayed with:



Updated / Improved products are displayed with:



Watch the latest videos on:  
<http://www.optiparts.com/optiparts>

Download the instruction manuals on:  
<http://www.optiparts.com/manuals>

**Photo credits:**  
Matias Capizzano, [www.capizzano.com](http://www.capizzano.com)

**04**

**BLACKGOLD RACING SPARS**

**06**

**SCHOOL / SILVER SPARS & SAILS**

**08**

**FOILS & RUDDER FITTINGS**

**09**

**TILLERS & EXTENSIONS**

**10**

**BUOYANCY BAGS & HIKING STRAPS**

**11**

**PRADDEL, BAILERS & ACCESSORIES**

**12**

**MASTSTEP, MASTLOCK, DECK COLLARS, BASEPLATES, SHACKLES & SPRINGS**

**13**

**SPAR ACCESSORIES, SPRIT ENDS & MAST PLUGS**

**14**

**WIND INDICATORS, BOOM ACCESSORIES & CLEATS**

**15**

**SAIL ACCESSORIES & HULL PROTECTORS**

**16**

**MAINSHEET BLOCKS**

**17**

**BLOCKS, HALYARDS, SHEETS & MAINSHEET SYSTEMS**

**18**

**TROLLEY / DOLLY**

**19**

**COVERS**

**20**

**STORAGE BAGS**

**21**

**BOOKS, VIDEO, GIFT ITEMS & ROWING ACCESSORIES**

**22**

**MINIREELS, MAINSHEETS, CONTROL LINES & REELS**

**24**

**TILLER EXTENSIONS AND ACCESSORIES & FOILS FOR LASER®**

**26**

**PARTS & ACCESSORIES FOR LASER®**

**32**

**WINDESIGN DINGHY TROLLEYS**

**33**

**PARTS & ACCESSORIES FOR 420**

**34**

**LOW FRICTION RINGS & ACCESSORIES**

**35**

**COACH GEAR & RIVET COLLECTION**

**36**

**2021 MIRA CLOTHING COLLECTION**

**45**

**BAGS, BACKPACKS & LUGGAGE**



## BLACKGOLD RACING SPARS

EX900 BLACKGOLD mast. Including rigging pack

EX902 BLACKLITE mast. Including rigging pack

The Blackgold collection contains two types of spars.

The regular BLACKGOLD™ mast which is suitable for sailors above 40 kg and the 25% lighter BLACKLITE™ mast which is the best proven solution for sailors under 40 kg and allows sailors to depower the rig in heavy winds.

Both are 45 microns black hard anodized 7075 masts and come with high grade nylon fittings, hard anodized cleats and a complete rigging pack.

### SPRITS

EX959 BLACKLITE 26,6 mm sprit

EX960 BLACKGOLD 27 mm sprit

We offer a choice of two black anodized 7075 sprits. All with black end fittings and sprit chafe guard. The 26,6 mm BLACKLITE sprit is 20% more flexible and a lot lighter than the 27 mm BLACKGOLD sprit.

### BOOMS

EX940 BLACKGOLD MEDIUM 40 mm boom complete

EX945 BLACKGOLD POWER 45 mm boom complete

EX955 BLACKMAX 55 mm boom complete

Three types of booms are available. All BLACKGOLD™ booms are made of high grade, black anodized tube, fitted with captive eye straps, black nylon in- and outboard end fittings, nylon outhaul cleat, 4 mm Dyneema outhaul, 3 mm pure Dyneema bridle and vang and a fitted outhaul trim gauge.

**BLACKGOLD™ MEDIUM**

A stiff 40 mm lightweight boom which is suitable for the majority of sailors.

**BLACKGOLD™ POWER**

A stiffer 45 mm boom to keep more tension on the leech for the heavier sailor. The smaller bridle gives more space when tacking.

**BLACKMAX™**

This ultra stiff and yet lightweight 55 mm boom can be used without a bridle. This enables the larger sailor to land further forward when tacking.

### RIGGING PACK

EX13591 Rigging pack as with all BLACKGOLD sets and spars

This set contains a halyard system with Dyneema halyard line, Harken hook-in block, Windesign low friction ring, PRO wind indicator, top pins, sprit halyard handle and mast sleeve.



EX900

EX902

EX959

EX960

EX940

EX945

EX955



EX13591



LOW FRICTION WIND INDICATOR

NYLON TOP PINS

HIGH GRADE 7075 ALUMINIUM

45 MICRONS BLACK HARD ANODIZED

NATURAL CORKS INSIDE FOR FLOTATION

MEASUREMENT BAND STICKER

HARKEN BALL BEARING HOOK-IN BLOCK

ALUMINIUM PIN STOP

WINDESIGN LOW FRICTION RING  
ON DYNEEMA LINE

SPRIT ADJUSTER HANDLE

HARD ANODIZED VANG CLEAT

HARD ANODIZED HALYARD CLEAT

LOW FRICTION DELRIN HEEL PLUG

## SETS

EX970	BLACKLITE set < 35 kg	(902 / 940 / 959 / 13591)
EX975	BLACKGOLD MEDIUM set 35-45 kg	(900 / 940 / 960 / 13591)
EX978	BLACKGOLD POWER set > 40 kg	(900 / 945 / 960 / 13591)
EX980	BLACKMAX set > 45 kg	(900 / 955 / 960 / 13591)

A combination of the BLACKGOLD spars, booms and sprits creates our four available spar sets, which are suitable for all types of sailors.



## SCHOOL SPARS

EX1010	School mast*
EX1030	School boom 32 mm*
EX1040	School sprit 25 mm*
EX1050	School set (EX1010 / 1030 / 1040)*

The school spars are made of high quality aluminium tube, fitted with a stainless steel halyard block, halyard cleat and downhaul cleat, a nylon pin stop and two stainless steel eyes for fixing the head of the sail. The sprit has no chafe protection tube.

EX1011	Upgraded school mast*
EX1031	Upgraded school boom 32 mm*
EX1042	Upgraded school sprit 25 mm*
EX1051	Upgraded school set (EX1011 / 1031 / 1042)*
EX1056	Rigging pack with halyard, control lines and bridle with ring

The upgraded school spars are made of high quality aluminium tube and fitted with a stainless steel halyard block, aluminium Clamcleats, a nylon pin stop and two stainless steel eyes for fixing the head of the sail. The upgraded sprit has 15 cm anti chafe protection tubing.

EX1012	Sleeve school mast*
EX1052	Sleeve school set (EX1012 / 1030 / 1040)*

The sleeve school mast has no eyes for fixing the head of the sail and can be used with sleeve sail EX1061. The mast slides in the sleeve pocket of the sail and the sail has a loose foot. This eliminates the need of any sail ties. A mast extender (EX10122) can be used to create more headspace.

EX1053	Fixed sleeve school set (mast, boom and EX1040 sprit)*
--------	--

Ideal spar set for sailing schools! It has never been so easy to store your spars after use. This sleeve mast set is supplied with a fixed gooseneck. The boom can be used without a bridle to create more headspace. The set comes with mast, boom and EX1040 sprit. Perfect in combination with the EX1061 colored sleeve pocket sail.

\* Not allowed for racing

## SILVER REGATTA SPARS

EX1005	Silver regatta mast
EX1022	Silver regatta boom 40 mm
EX1041	Silver regatta sprit 27 mm
EX1048	Silver regatta set (EX1005 / 1022 / 1041)
EX13593	Rigging pack, with halyard, wind indicator and top pins

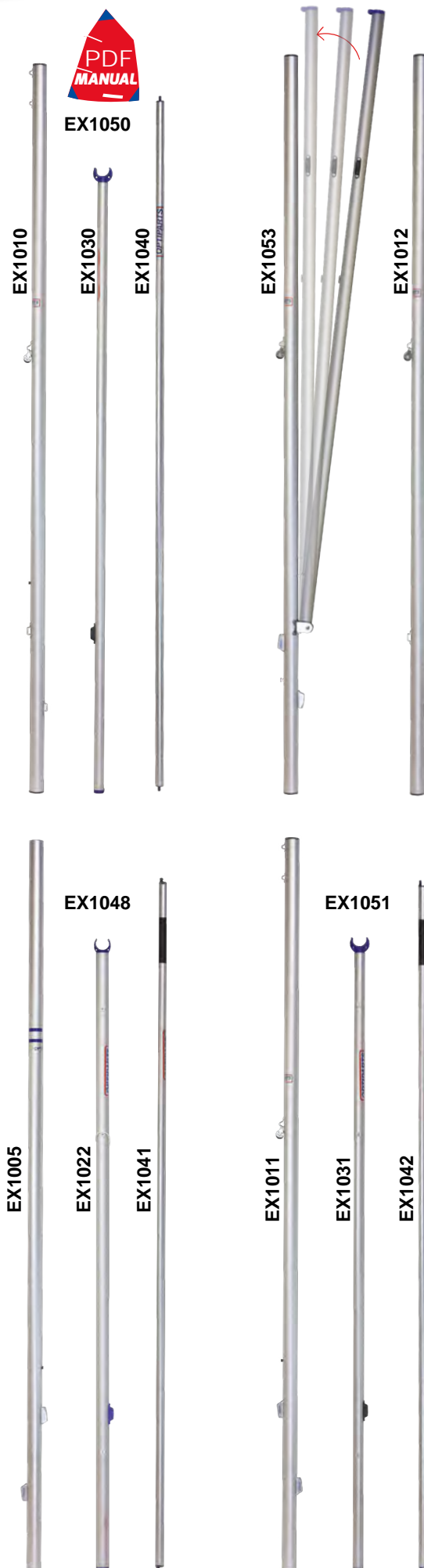
The silver regatta spars are less stiff than Blackgold and ideal for lightweight sailors who just started racing. The silver mast, boom and sprit are made of high quality aluminium tube, fitted with aluminium halyard and downhaul Clamcleats. The lightweight 40 mm silver boom is much stiffer than the 32 mm school boom and will allow the sailor to put more tension on the leech. The silver sprit has 15 cm anti chafe protection tubing. Both mast and set come with rigging pack, containing all necessary lines, wind indicator, top pins and halyard with hook-in block.



EX1056



EX13593





## SAILS

EX1057A	Windesign Durarace LITE sail < 45 kg, 99 lbs
EX1058A	Windesign Durarace POWER sail > 45 kg, 99 lbs

Our Durarace sails are perfect for practice and learning to race. Built for durability and speed! Made of 4.18 oz Challenge sailcloth. A bit heavier but much more durable than sailcloth used in most racing sails.

EX1059	Club sail
EX1060	School sail

These sails are made of strong 3.8 oz high quality 100% dacron sailcloth, have six panels with nickel plated eyes and heavily reinforced corners. Complete with battens and long sail bag for storage of sail and spars. The EX1059 club sail comes with window, class logo and I.O.D.A. button, according to the I.O.D.A. class rules.

The EX1060 comes without window, logo and button.

EX1061	Sleeve pocket sail colored
EX1061W	Sleeve pocket sail white
EX1061WR	Sleeve pocket sail white with reef eye

These sleeve pocket sails are ideal for sailing schools. The mast slides in a sleeve pocket while the sail is loose footed on the boom. Made of strong 3.8 oz sailcloth. They have five panels without sailbattens, 4 heavily reinforced corners and webbing loops for the boom. The EX1061 and EX1061W should be used with sleeve school set EX1052. The EX1061WR should be used with the fixed sleeve school set EX1053. When using the reef eye, the boom goes up and gives more headspace for the sailor.

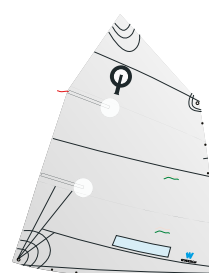
EX1061M	Trisail only
EX1064	Trisail set
EX1446	Boom bumper head protector

This sail is half the size of a normal Optimist sail. Very easy to handle. Now even the smallest helmsman can continue sailing in heavy wind. Supplied as set with sleeve mast, 40 cm mast extender (EX10122) and mini boom with boom bumper head protector. The Trisail can also be used with a regular sleeve mast and boom with the addition of a 40 cm mast extender.

EX10121	10 cm mast extender for EX1012*
EX10121S	20 cm mast extender for EX1012*
EX10122	40 cm mast extender for EX1012*

Optimist mast extenders can be used with the Optimist sleeve mast. The Optimist mast extenders are available as separate items for the Sleeve School mast. These mast extenders can be dropped in the top of the Optimist mast and moves the sail up to create more space in the cockpit.

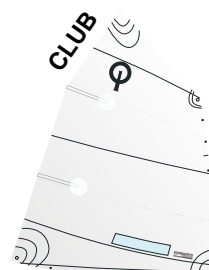
\* Not allowed for racing



EX1057A



EX1058A



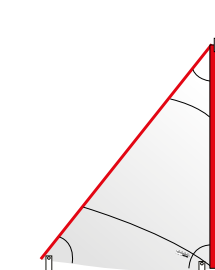
EX1059



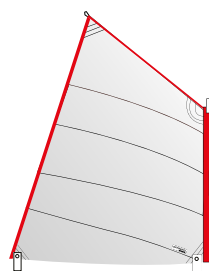
EX1060



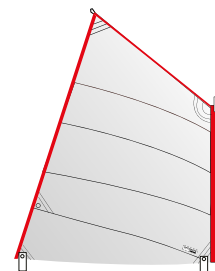
EX1061



EX1061M



EX1061W



EX1061WR



EX1064



EX1446



EX10121



EX10121S



EX10122



## WOODEN SCHOOL FOILS

EX11003	Wooden school rudderblade without fittings*
EX11053	Wooden school rudderblade with fittings**
EX11103	Wooden school daggerboard
EX11143	Wooden school foil set without fittings*
EX11153	Wooden school foil set with fittings**

These wooden foils are made of high grade marine plywood. The rudderblade has a thickness of 13 mm and daggerboard 15 mm. These are the most affordable foils available, for school and recreation only.

## GRP SCHOOL FOILS

EX11000	GRP school rudderblade without fittings*
EX11050	GRP school rudderblade with fittings**
EX11100	GRP school daggerboard
EX11140	GRP school foil set without fittings*
EX11150	GRP school foil set with fittings**

These GRP school foils are for training and school use only.

## ONE DESIGN RACING FOILS

EX11005	One design rudderblade without fittings*
EX11055	One design rudderblade with fittings**
EX11105	One design daggerboard
EX11145	One design foil set without fittings*
EX11155	One design foil set with fittings**

These fiberglass / foam Optimist foils are designed to be the most durable racing foils. The daggerboards are fitted with durable teak wood battens.

## ONE DESIGN RACING FOILS PRO

EX11006	One design pro rudderblade without fittings*
EX11056	One design pro rudderblade with fittings**
EX11106	One design pro daggerboard
EX11146	One design pro foil set without fittings*
EX11156	One design pro foil set with fittings**

These high-end fiberglass / foam racing Optimist foils with sanded pro finish are manufactured in high quality CNC designed moulds to be the most ultimate racing foils.

\*All rudderblades can be used with Optiparts tillers, extensions and rudderfittings.

\*\* Tiller (with extension) have to be ordered separately.

## RUDDER FITTINGS

EX1150	Rudder fitting set (EX1160S / EX1160L / EX1170 / EX1180)
EX1155	Bolts and self-locking nuts. Set of 12
EX1160	Rudder pintle set (EX1160S / EX1160L)
EX1160S	Rudder pintle short
EX1160L	Rudder pintle long
EX1170	Set transom gudgeons with backing plates
EX1170P	Set transom fittings with 8mm pin
EX1180	Rudder retaining clip

These stainless steel rudder fittings are available as a set or separate.

## FOIL ACCESSORIES

EX1113	Daggerboard bungy with handle
--------	-------------------------------

A 6 mm shockcord with a red PVC handle to retain the daggerboard in its case. The handle keeps your daggerboard in place and your hiking straps up too. Comes in a complete set to keep the shockcord in place.

EX11158	Foil protector set
---------	--------------------

Clear plastic profiles which fit over the trailing edge of the daggerboard and rudder to protect them from any damage when in storage or transportation.



EX11103



EX11100



EX11105



EX11106



EX11053



EX11050



EX11055



EX11056



EX1160S



EX1160L



EX1155



EX1180



EX1170



EX1170P



EX1113



EX11158



## TILLERS AND EXTENSIONS

EX1120	Aluminium tiller. Silver anodized
EX1122	Aluminium tiller. Black anodized

These tillers have two rectangular aluminium tubes mounted together with plastic end caps. Tube size 10 x 20 x 1.5 mm and suitable for all sizes of Optimist rudderblades. Each tiller is supplied with bolts and nuts to mount it to a rudderblade.

EX1125	Deluxe tiller and extension
--------	-----------------------------

Black anodized aluminium tiller (EX1122) with 60 cm deluxe aluminium tiller extension (EX1140). Supplied with releasable joint / swivel with rope core and foam grip.

EX1130	Standard tiller and extension
--------	-------------------------------

Silver anodized aluminium tiller (EX1120) with 60 cm standard aluminium tiller extension (EX1142). Supplied with fixed joint / swivel and golf grip.

EX1140	16 mm Deluxe tiller extension with black foam grip
--------	--

Black anodized 60 cm aluminium, with releasable joint / swivel with rope core and foam grip. The rope core will avoid complete failure when the rubber tear.

EX1141	16 mm Deluxe tiller extension with colored foam grip
--------	--

EX1142	16 mm Standard tiller extension with golf grip
--------	--

Silver anodized 60 cm aluminium with fixed joint / swivel.

EX1139	16 mm Deluxe tiller extension, super smooth
--------	---

Black anodized aluminium tiller extension which is super smooth and designed to maximum allowed length.



EX1145Y Tiller extension 20 mm X-gripped, yellow  
A 20 mm tiller extension for the Optimist, fitted with yellow X-gripped heat shrinkable tubing and a releasable joint with rope core.

## X-GRIPPED COLOR SERIES



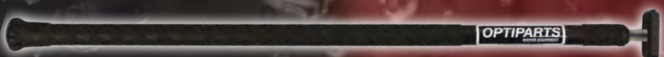
EX1145GR Tiller extension 20 mm X-gripped, green  
A 20 mm tiller extension for the Optimist, fitted with green X-gripped heat shrinkable tubing and a releasable joint with rope core.



EX1145BL Tiller extension 20 mm X-gripped, blue  
A 20 mm tiller extension for the Optimist, fitted with blue X-gripped heat shrinkable tubing and a releasable joint with rope core.



EX1145RD Tiller extension 20 mm X-gripped, red  
A 20 mm tiller extension for the Optimist, fitted with red X-gripped heat shrinkable tubing and a releasable joint with rope core.



EX1145BK Tiller extension 20 mm X-gripped, black  
A 20 mm tiller extension for the Optimist, fitted with black X-gripped heat shrinkable tubing and a releasable joint with rope core.



EX1145BKRD Tiller extension 20 mm X-gripped, "Doppio"  
A 20 mm tiller extension for the Optimist, fitted with a special black / red X-gripped heat shrinkable tubing and a releasable joint with rope core.

### OPTIMIST X-GRIPPED COLOR SERIES

Give your Optimist some color with the colored X-gripped tiller extensions. A range of 20 mm aluminium tiller extensions, fitted with X-gripped heat shrinkable tubing and a releasable joint with rope core. Available in six different colors. One special color called "Doppio". It is a black grip with a raised red X-pattern to create extra grip; double grip!

**DOPPIO**  
RAISED RED X-PATTERN TO CREATE EXTRA GRIP



## HEAVY DUTY BUOYANCY BAGS

1212	Buoyancy bag 48 L, normal valve, color yellow
1213	Buoyancy bag 48 L, normal valve, color white
1215	Buoyancy bag 43 L, normal valve, color grey
1215L	Buoyancy bag 43 L, normal valve, color grey with logo
1216	Buoyancy bag 43 L, twist lock tube valve, color red
1217	Buoyancy bag 48 L, twist lock tube valve, color blue
1218	Buoyancy bag 48 L, twist lock tube valve, color yellow
1219	Buoyancy bag 48 L, twist lock tube valve, color red
1222	Buoyancy bag 48 L, twist lock tube valve, color orange
1223	Buoyancy bag 48 L, double coloured grey and blue

Optiparts heavy duty buoyancy bags, according to IOD'95 rules. These bags are made of polyurethane coated nylon and are about half the weight and significantly stronger than bags made of PVC or PVC coated nylon. Some bags are available with a twist lock tube valve. This valve is attached to a piece of tubing. With this valve the bag can easily and quickly be inflated and deflated. 48 liter bags are slightly heavier than 43 liter bags but after a capsizing there is less water in the boat.

43 liter sizes: 27 x 88 cm inflated, 41 x 100 cm deflated

48 liter sizes: 29 x 92 cm inflated, 44 x 98 cm deflated

## PVC BUOYANCY BAG

EX1220	Buoyancy bag 43 L, normal valve, color white
--------	--

Made of high quality flexible PVC cloth. Suitable for all non IOD'95 Optimists and other classes. Can be used inside GRP tanks or with straps. Size inflated 24 cm x 92 cm.

## HIKING STRAPS, WEBBING AND MOUNTING PLATES

EX1450	Padded hiking straps
EX1450P	Pro padded hiking straps

Get a better grip with our pro padded hiking straps. Same style as our EX1450 strap but with non slip layer underneath. Both padded straps are made of strong polyester webbing, covered with wear resistant cloth, filled with foam plate material which does not absorb water. Strong stitched through construction. Aft end a pressed ring and sewn flat to prevent twisting

- Loops for shockcord to pull up the front for easy access
- Front ends are open for mounting with plate or rope

EX1451	Non padded hiking straps
--------	--------------------------

Made of strong polyester webbing which has a good UV protection.

EX1453-10	Stainless steel mounting plate. Set of 10
EX14531-10	Nylon mounting plate, black. Set of 10
EX14532-10	Nylon mounting plate, red. Set of 10
EX14533-10	Nylon mounting plate, blue. Set of 10

Stainless steel and nylon plates with two holes for mounting hiking straps and buoyancy bags. Thickness: stainless steel 2 mm, nylon 4.5 mm.

EX1462	Webbing roll, blue. 50 meter
EX1464	Webbing roll, black. 50 meter
EX1466	Webbing roll, white. 50 meter
EX1468	Webbing roll, grey. 50 meter

Polyester buoyancy bag webbing which has a good UV protection. 1.5 mm thick, 50 mm wide.





## PRADDEL PADDLE / WHISTLE / SPONGE

EX1440	Praddel paddle
EX1441	Pea-less plastic whistle with lanyard and clip
EX1443	Plastic hook for securing praddel, bailer or daggerboard
EX1445	Sponge stick

This sponge stick grows from a compressed stick to a full sized sponge. High quality, biodegradable and environmentally friendly cellulose sponge.

EX1235	Rubber transom plug for max 45 mm transom drains
--------	--

## BAILERS

EX1442R	Handbailer 3.5 liter, color red
EX1442G	Handbailer 3.5 liter, color green

The traditional blow molded handbailer which fits perfectly to the corners of the IOD'95 hull. Contents: 3.5 liter. Red and green for port and starboard. Length 21 cm, width 12 cm

EX1444	Handbailer small 1 liter, color orange
--------	--

Small handbailer, for sailing schools and other dinghies. Length 18 cm, width 11 cm

EX1448	Handbailer 4.2 liter, color orange
EX1449	Handbailer 4.2 liter, color grey

Large, lightweight and durable handbailers. The wide ergonomic base creates more bailing capacity with each stroke, the curved bottom to follow the bailing motion and a triangular top so you don't get stuck behind the gunwale. High handle with end stop to prevent slipping out of your hand, with integrated shockcord fastening. Reinforced wear areas, rounded front lip and stackable for transportation.

Length 24 cm, width 17 cm

## WATERPROOF STORAGE

EX3048	Lunch container 3 L
EX3049	Lunch container 6 L

Waterproof lunch container, stores your lunch and valuables dry. Keep the container in your own boat or in the coach boat. With a hole in the lid to attach a line. 2 sizes: 3 liter, 17 cm high and 6 liter 26 cm high.

EX1237	Hatch cover 100 mm. Cut out diameter: 108 mm
--------	--

## OPTI HIKING BENCH

EX1500	Opti Hiking bench
--------	-------------------

Fully detachable hiking bench with adjustable hiking strap. This is the ultimate solution for hiking fitness while you are watching TV, reading a book or playing a video game. This lightweight, super strong hiking bench is made from the same materials as our Optiparts trolley and is just as easy to assemble. Perfect for that extra training session. Only 3.7kg (8 lbs).



EX1441

EX1445

EX1440



EX1443



EX1235



EX1442R



EX1442G



EX1444



EX1448



EX1449



EX3048



EX3049



EX1237



EX1500



## MASTSTEP

EX1202	Adjustable maststep with round cup
EX1204	Round cup only
EX1206	Base plate only
EX1207	8mm nut, comes with EX12071 spring lock keeper
EX12071	Spring lock keeper
EX12072	PTFE mast disk, 1mm thick

The Optiparts maststep has an oval cup, which allows the mast to tilt forward when going downwind. Friction between mast and maststep is reduced to a minimum. Different mast rakes can easily be repeated using the scale on the base. Separately a mast step spring lock can be purchased. The stainless steel spring prevents the nut from turning accidentally.

## MAST LOCK

EX1203	Mast lock
--------	-----------

Stainless steel lock to secure your mast from coming out of its step when the boat is capsized. Prevents costly foredeck damage. This lock has a rubber insert and should be clamped around the mast just under the deck. We suggest to use the collar in addition to the rope locking system to create double security. Supplied with a line to attach it to the maststep.

## DECK COLLARS

EX1208	Standard nylon deck collar, black
EX1209	Low friction Delrin deck collar, white
EX1210	Deck collar with mast sleeve, grey
EX12101	Deck collar only, grey
EX1211	Mast sleeve only, grey (as with Blackgold masts)

Optiparts offers three types of deck collars. A standard nylon mast collar to be fitted in a 53 mm deck-hole, and two racing deck collars with oval inner diameter which allow maximum fore/aft play and minimum side play. The tapered inner diameter allows the mast to be raked.

Four countersunk mounting holes to be fitted in a 57 mm deck-hole. EX1210 has a separate sleeve which is fitted around the mast at deck level and protects the mast from wearing.

## BASEPLATES, SHACKLES AND SPRINGS

EX1301	4 mm flat shackle
EX1302	5 mm flat shackle
EX1304	Stainless steel spring to mount under ratchet blocks
EX1305	Flexible 40mm PVC stand-up to mount under ratchet blocks
EX1410	Swivel base plate with 5 mm holes
EX1412	Fixed base plate with 5 mm holes

For mainsheet and hiking straps

EX1414	Small eye with 4 mm holes
1 mm thick, 10 x 9 mm opening, hole distance 24 mm	
EX1415	Large eye with 5 mm holes
2 mm thick, 15 x 13 mm opening, hole distance 36 mm	



EX1202

EX1204

EX1206



EX12071

EX1207

EX12072

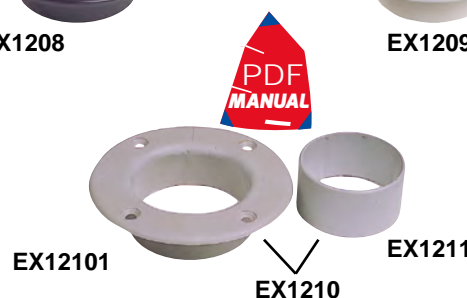


EX1203



EX1208

EX1209



EX12101

EX1210

EX1211



EX1412

EX1414

EX1415



EX1301

EX1302

EX1410



EX1304

EX1305



## SPAR ACCESSORIES

EX1333B	Measurement band sticker blue
EX1333G	Measurement band sticker gold
EX13371	Pin stop as used for downhaul on school booms*
EX13372	Pin stop as used on silver and school masts*
EX13373	Pin stop as used on silver and school booms*
EX1337	Pin stop as used on Blackgold masts*
EX1339	Lacing eye "bridge" as used on Blackgold booms*
EX1336	Vectran sailties for mast and boom

Set of five 2.2 mm tack lines and fourteen 1.2 mm lacing lines

EX1354	Nylon sprit adjuster handle with hole for 4 mm lines
EX1355	Sprit protection

15 cm heat shrinkable tubing for protection between sprit and mast.  
Can be applied with a hair dryer or paint stripper

EX1358R-20	16 cm trim strip red. Set of 20
EX1358G-20	16 cm trim strip gold. Set of 20
EX1364	Vang for all racing booms

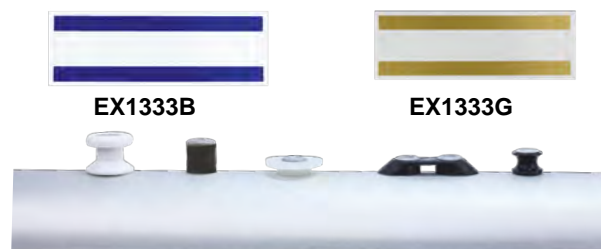
Spliced Dyneema® vang line with a loop on one end for easy attachment.  
Tie or splice the open end around the boom.

\* Supplied with pop rivet

## SPRIT ENDS AND MAST PLUGS

EX1275	Inboard end for 32 mm standard boom (EX1030)
EX1276	Outboard end for 32 mm standard boom (EX1030)
EX1280	Inboard end for 40 mm racing boom (EX940)
EX1282	Outboard end for 40 mm racing boom (EX940)
EX1284	Inboard end for 45 mm racing boom (EX945)
EX1285	Outboard end for 45 mm racing boom (EX945)
EX1281	Inboard end for 55 mm racing boom (EX955)
EX1283	Outboard end for 55 mm racing boom (EX955)
EX1255	Heel plug, low friction Delrin, for racing masts
EX1256	High heel plug, low friction Delrin, for racing masts
EX1257	Heel plug, heavy duty, for silver and school masts
EX1260	Top cap for school masts
EX1270	Sprit ends for 25 mm standard sprits. Set of 2
EX1271	Sprit ends for 27 mm Blackgold and silver sprits. Set of 2
EX1272	Sprit ends for 29 mm Blackmax sprits. Set of 2
EX1290	Mast flotation plugs, made of natural cork. Set of 3

All boom end fittings are made of high quality glass fibre filled nylon and have a firm grip around the mast. This ensures that mast and boom turn together. When refitting an old mast with a high heel plug first make sure the total mast length will not exceed 2350 mm. The sizes above are outside tube diameters.



EX13371 EX13372 EX13373 EX1339 EX1337



EX1355



EX1358R-20



EX1358G-20



EX1354



EX1364



EX1336



EX1275



EX1276



EX1280



EX1281



EX1282



EX1283



EX1284



EX1285



EX1255



EX1256



EX1257



EX1260



EX1270



EX1271



EX1272



EX1290



## WIND INDICATORS

We supply a standard wind indicator with red PVC flag on a wire frame, as used on many Optimists and other dinghies. More popular is our low friction wind indicator. It has a strong vane arm which is accurately balanced and performs amazing sensitive. The vane arm is attached to the needle with a positive locking system which prevents losing the vane arm.

EX1240	Standard wind indicator
EX1240-10	Standard wind indicator. Set of 10
Not allowed for Optimist class racing.	
EX1243	Wind indicator Windesign PRO, red
EX1243-10	Wind indicator Windesign PRO, red. Set of 10
EX1243BL	Wind indicator Windesign PRO, blue
EX1243BL-10	Wind indicator Windesign PRO, blue. Set of 10

With blunt point, allowed for Optimist class racing

EX1243V-10	Vane only, red. Set of 10
EX1243VBL-10	Vane only, blue. Set of 10
EX1245	Wind indicator clip for school masts
EX1335	Set of small nylon top pins

Simplified top pins, where sailties are knotted outside of the mast for easy adjustment.

EX1338	Set of nylon top pins, as supplied with racing masts
EX1338A	Set of aluminium top pins, long lasting, gold anodized

## BOOM ACCESSORIES

EX1360	3 mm Dyneema boom bridle with stainless steel ring
EX1362	15 mm stainless steel ring
EX1362-10	15 mm stainless steel ring. Set of 10
EX1371	Stainless steel safety snap shackle. 43 mm, 16 gr
EX1371L	Stainless steel snap shackle (EX1371) with line loop
EX1372	Stainless steel trigger safety snap shackle. 49 mm, 20 gr
EX1373	Protest flag

Little pouch with a cord at the top to tie it to the boom and a velcro closure at the bottom. Pull the bottom cord and the protest flag comes out.

## CLEATS

EX1380	Hard anodized aluminium Clamcleat (CL211 MK2) for downhaul on Blackgold masts
EX1381	Silver anodized aluminium Clamcleat (CL211 MK2) for downhaul and halyard on silver masts
EX1399	Hard anodized aluminium Clamcleat (CL211 MK2) with becket for halyard on Blackgold masts
EX1402	Stainless steel V-cleat for school masts
EX1405B	Blue nylon V-cleat for silver and school booms
EX1405G	Grey nylon V-cleat for Blackgold booms



EX1371



EX1371L



EX1372



EX1380



EX1381



EX1399



EX1402



EX1405B



EX1405G



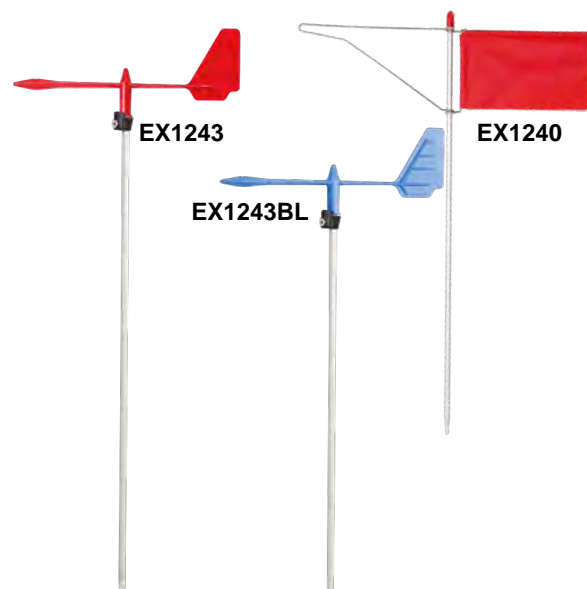
EX1360



EX1362



EX1373



EX1243

EX1240

EX1243BL



EX1243V-10

EX1243VBL-10



EX1338



EX1335



EX1338A



EX1245



## SAIL ACCESSORIES

EX1416	Untapered sail batten, with plastic end caps, 40.5 cm	
EX1417S	Tapered sail batten, 45.5 cm, for top batten, with hole	
EX1417L	Tapered sail batten, 54.5 cm, for bottom batten, with hole	
EX1418	Optimist class logo, blue. Set of two	
EX1419RD	Digital sail number, red, 23.5 cm	=order per piece=
EX1419BK	Digital sail number, black, 23.5 cm	=order per piece=
EX1419BL	Digital sail number, blue, 23.5 cm	=order per piece=

Cut to make any number or letter.

EX1420BK...	Sail number, black, 23.5 cm	=order per piece=
EX1420BL...	Sail number, blue, 23.5 cm	=order per piece=
EX1420G...	Sail number, grey, 23.5 cm	=order per piece=
EX1420RD...	Sail number, red, 23.5 cm	=order per piece=

Specify number or letter when ordering

EX1430	Telltales
--------	-----------

A set of 16 telltales (8 red and 8 green) in resealable display packing with instruction manual. Supplied with adhesive discs to fix the telltales to the sail.

## HULL PROTECTORS

EX1065	Bow bumper
--------	------------

Foam tubing covered by heavy duty polyester cloth. This fender has a snug fit around the bow of the Optimist. Ideal for sailing schools. With grommet in the middle to pass the painter.

EX1066	Corner protectors
--------	-------------------

Heavy duty rubber corner protectors with self adhesive backing. These can be used on bow only or on all 4 corners. Special preshaped rubber profile. This is not a flat piece of thin rubber! Set of 2 pieces.

EX1118	Protection pack
--------	-----------------

A complete protection package for the Optimist. Contains self adhesive PTFE protection for maststep, outhaul, daggerboard, sprit, rudder, bailer and boat corners. Also contains 5 PTFE mast disks and rubber daggerboard slot inserts.

EX1117	Daggerboard protection kit
--------	----------------------------

A complete kit for protecting your valuable daggerboard. Contains 4 rubber inserts, glue, sandpaper and 4 self adhesive glide strips (300 x 18 x 1.0 mm). These strips can be stuck to the top and the bottom of the case and minimize play and friction between the daggerboard and its case.

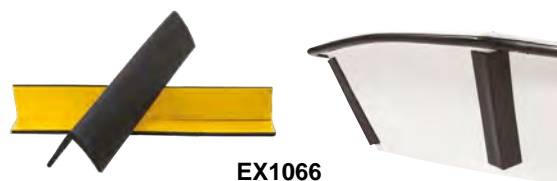
EX11171	Glide tape roll 8 meter, 18mm wide
---------	------------------------------------

EX1116	Rubber slot insert
--------	--------------------

EX1116-10	Rudder slot insert. Set of 10
-----------	-------------------------------



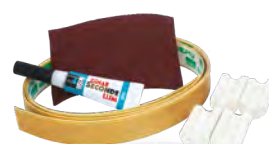
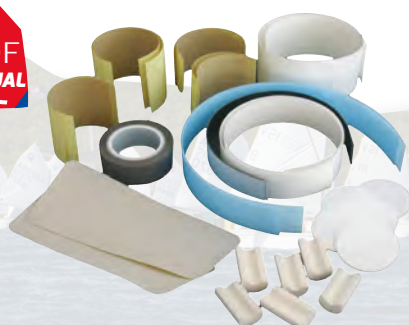
EX1065



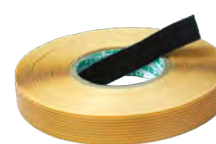
EX1066



EX1118



EX1117



EX11171



EX1116



## MAINSHEET BLOCKS

EX1295	57 mm Harken carbo ratchet block
EX1296	57 mm Harken carbo ratchet block with 2-way link
EX12961	2-way link, can be used on the EX1295 and the EX1299

Harken 57 mm ball bearing carbo ratchet blocks have machined aluminium sheaves with 8 facets to hold the line securely. Weighs only 85 grams.

EX1299	57 mm ball bearing ratchet block
EX1306	29 mm Harken single carbo block
EX1308	40 mm Harken single carbo block
EX1309	40 mm Harken carbo block with eyelet and spring
EX1314	Harken mainsheet extender

40 mm Harken single block spliced with Dyneema to a safety snap shackle

EX13141	Spliced replacement line for EX1314 mainsheet extender
EX1317	Windesign mainsheet extender

38 mm Windesign low friction ring spliced with Dyneema to a safety snap shackle. An extra loop is added below the ring for an easy switch between 2:1 and 3:1 mainsheet.

EX1319	40 / 29 mm Harken block combination
--------	-------------------------------------

The perfect solution for creating a 4:1 mainsheet

EX1321	40 / 29 mm Harken block combination with safety snap
--------	--

40/29 mm block combination spliced with Dyneema to a safety snap shackle.

EX1315	38 mm ball bearing block
EX1316	38 mm ball bearing block with becket

Ball bearing blocks with stainless steel cheeks and 38 mm sheaves for lines up to 10 mm.

EX1318	34 mm plain bearing block
EX1320	34 mm plain bearing block with becket

Plain bearing blocks with stainless steel cheeks and 34 mm sheaves for lines up to 10 mm.

EX1325	34 mm plain bearing fiddle block
EX1326	34 / 20 mm plain bearing fiddle block
EX1327	34 / 20 mm plain bearing fiddle block with EX1372 snap
EX1328	34 mm plain bearing block

Plain bearing blocks with nylon cheeks and acetal sheaves for lines up to 8 mm. Lightweight, very strong and affordable. These blocks are designed for Optimists and other small dinghies and can be attached with ropes, webbing and shackles. The cheeks can be opened so the blocks can be attached direct on existing deck eyes.



EX1295



EX1296



EX1306



EX1299



EX1309



EX1308



EX1315



EX1316



EX1318



EX1320



EX12961



EX1319



EX1317



EX13141



EX1319



EX1321



EX1325



EX1326



EX1327



EX1328



## BLOCKS AND HALYARDS

EX1330	22 mm plain bearing halyard block as used on school masts
EX1331	22 mm plain bearing halyard block with becket
EX1332	19 mm plain bearing halyard block as used on silver masts
EX1334	16 mm Harken ball bearing micro block
EX1340	Plain bearing hook-in block as used on silver masts
EX1342	Plain bearing halyard as used on silver masts
EX1345	29 mm Harken ball bearing Ti-Lite block
EX1348	Halyard system with low friction ring

System as used on all Blackgold masts from 2017. The combination of Harken hook-in block, Dyneema spliced halyard line and Windesign low friction ring creates the most advanced halyard system on the market.

EX1349	Halyard line with spliced on low friction ring
EX1351H	Harken ball bearing hook-in block

Used on Blackgold racing masts. Due to the curved saddle the block rests against the mast in a fixed position which prevents mast wear and creates a halyard system with less friction.

EX1352	Harken halyard system
--------	-----------------------

Complete with Harken hook-in block and 29 mm Ti-Lite block with 3 mm low stretch Dyneema with spliced loops.

EX1353	Halyard line with spliced loops as used on EX1352
--------	---

## SHEETS, LINES, PAINTER AND MAINSHEET SYSTEMS

EX1370	Pro Line Optimist upgrade package
--------	-----------------------------------

High performance outhaul, vang and halyard system, consists of a 3 mm Dyneema®/Cordura® outhaul for excellent grip in the cleat, a spliced Technora®/Dyneema® halyard with low friction ring and a 3 mm Dyneema® vang with 6 mm Dyneema®/Cordura® part.

EX1374	6 mm floating painter 8.1 meter with UV treatment
EX1377	8 mm mainsheet 6 meter 16 plait polypropylene
EX1378	7 mm DB-Racing mainsheet, 7.5 meter

Non-tangling double braided mainsheet with a light high stretch multifilament polypropylene core and a braided polyester cover which leaves the outer to be the load bearer. Enough length for a 4:1 mainsheet.

EX1379	9 to 6.5 mm double tapered mainsheet
--------	--------------------------------------

This Optimist mainsheet is tapered and made of abrasion resistant PES material. Tapered from 9 to 6.5 mm. Thick and soft where it touches your hand. Thin and smooth elsewhere for less friction. Tapered on both ends. Long enough to create a 4:1 mainsheet with 2 boom blocks.

EX1379P	8 to 6 mm pro line double tapered mainsheet
---------	---

The combination of Black Technora, Dyneema, Polyester and Cordura creates the most advanced Optimist mainsheet available. The mainsheet has extremely good wear resistance characteristics. It has a total length of 7.4 meter and is double tapered from 8 to 6 mm.

EX1375	School Optimist mainsheet system 6 meter, 8 mm mainsheet, 3 shackles, 1 spring and 3 plain bearing blocks. (3 x 1302 / 1304 / 2 x 1318 / 1320 / 1377)
--------	---

EX1376	Racing Optimist mainsheet system 6 meter, 8 mm mainsheet, 2 shackles, 1 snap, 1 spring, 2 ball bearing blocks and 1 ratchet block. (2 x 1302 / 1304 / 1372 / 1315 / 1316 / 1299 / 1377)
--------	---

EX13761	Pro Racing Optimist mainsheet system Double tapered mainsheet, 1 shackle, 1 spring, 1 ball bearing block, mainsheet extender and 1 ratchet block. (1379 / 1296 / 1302 / 1304 / 1308 / 1314)
---------	---



EX1330



EX1331



EX1332



EX1334



EX1340



EX1342



EX1345



EX1351H



EX1349



EX1352



EX1348



EX1353



EX1370



EX1374



EX1377



EX1379P



EX1379



EX1378



EX1375



EX1376



EX13761



## TROLLEY / DOLLY

EX1076 Optiparts trolley / dolly for Optimist

EX1076B Optiparts trolley / dolly with belt

Lightweight aluminium trolley with stainless steel axles and solid hull supports. Supplied with Bow wow, a unique system to lock the bow to the trolley with one quick and simple movement. Prevents the hull from sliding off on steep launch ramps. The trolley has been designed to be the most functional available. Spring locking quick release of all parts allow the trolley to be disassembled in a matter of seconds for storage and travel. The frame has welded joints and is anodized to prevent corrosion. The Optiparts trolley is supplied with 8 mm stainless steel push button wheel locks which are mounted inside the axle. The EX1076B has the same design but with belt. Your Optimist slides easy from the belt when launching.

EX10782 Durastar-lite puncture and temperature proof wheel, 37 cm

EX10785BL Durastar puncture and temperature proof wheel, 37 cm

EX10786 Optiflex-lite puncture proof wheel, 37 cm

EX1079 Pneumatic wheel, 40.5 cm

All wheels are suitable for 25 (1") x 75 mm axles.

EX1077 Bow wow replacement kit, including PVC handles

EX10783 25 mm bushing for EX10786

EX10788 20 mm bushing for EX10786

EX10790 Stainless steel spring clip for securing wheels

EX10791 Galvanized spring clip for securing wheels

EX10792 Round button spring locking system

EX10793 Heel plate including rivets

EX10794 PVC handles

EX10796 Trolley padding kit

Set of foam tubing with two 600D nylon protectors with velcro fastener.

It protects the hull and makes the surface slippery for easy launching.

The padding runs over the full width of the trolley, so the middle is protected when turning the hull upside down.

EX10797 Stainless steel 25 mm (1") axle with plastic plug

EX10798 Push button wheel lock stainless steel 8 mm

Enlarge 5 mm hole to 8 mm to use this lock in older trolleys

EX10799R Rubber for side support

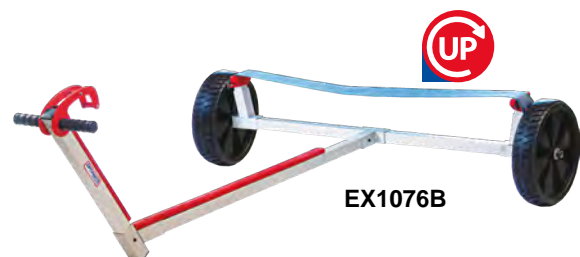
EX10799P Protective tube and Tie-wrap

Pull and tighten the Tie-wrap through the hull support eye.

This tube protects the hull against scratches.



EX1076



EX1076B



EX10782



EX10785BL



EX10786



EX1079



EX10796



EX10790



EX10791



EX10792



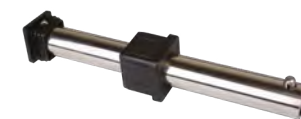
EX10793



EX10783



EX10788



EX10797



EX10798



EX10799R



EX10799P



EX1077



EX10794

## COVERS

### EX1080 Top cover tented with battens\*

This cover has two sailbattens integrated in the top panel. The top panel will be tented when the webbing straps connected to both ends of each batten are tensioned. Made of grey 600D PVC ripstop polyester. The padded panels on the front, back and sides fold around the corners and protect your hull.

### EX1081 Top cover Breathable\*

Durable cover made of Moistureguard 2000, a heavy duty 900D polyester with a polyurethane membrane which has excellent breathability and is waterresistant. Wide skirts around the edge of the hull for good protection. Fast and easy to install with two adjustable straps.

### EX1082 Top cover Economy\*

Affordable cover made of strong and flexible solution dyed PVC coated polyester. 100% waterresistant but not breathable. Wide skirts around the edge of the hull for good protection. Fast and easy to install with two adjustable straps. Solution dyed polyester has much better color fastness and UV resistance than cheaper pigment dyed polyester.

### EX1091 Bottom cover Breathable

Durable bottom cover made of Moistureguard 2000. Quick and easy to install with a 6 mm shockcord in the skirt and 2 adjustable straps. The cover has 3 wide strips of thick foam padding to protect the hull.

### EX1091S Bottom cover Economy

Affordable bottom cover made of 600D solution dyed polyester. Quick and easy to install with an adjusting line in the skirt and 2 adjustable straps. Not breathable, only for traveling. For outside storage use EX1091.

### EX1095 Bottom cover fully padded

This bottom cover provides the best possible protection during travel. Made of 420 PU outside, high quality 190T innerlining inside and closed cell foam in between (only for traveling). For outside storage use EX1091.

\* To avoid damage, we advise to remove top covers during transport



EX1080



EX1081



EX1082



EX1091

## ROOF RACK

### EX1446 Padded roof rack cover

Heavy duty foam tubing covered with nylon cloth with velcro fastener. Protects your boat from being damaged when transported on a roof rack. Length 50 cm. Sold per piece



EX1091S



EX1095



EX1446

\* Roof rack not included.



## STORAGE BAGS

### EX1062 Sail bag

250 cm long sail bag of red nylon cloth to protect your sail when rolled around the boom.

### EX1063 Rig travel bag

Heavy duty bag from 600D PVC coated polyester with two compartments for sail, mast, boom and sprit. With zip closure, name tag pocket and detachable and adjustable carrying strap. Can be bundled with 2 straps to create a compact package. Built to fit a 100 mm (4") diameter thin-walled PVC irrigation pipe, to prevent the sail from being crushed.

### EX1119 Rudder and daggerboard bag

A 600D nylon bag with 3 compartments for rudder, daggerboard and accessories. The rudder and daggerboard compartments are padded for the best protection. The outside compartment provides enough space for accessories like sheet, mastlock, wind indicator and more. Supplied with shoulder strap and a sailnumber and name tag.



EX1062



EX1063



EX1119



### FULLY PADDED RIG TRAVEL BAG

Heavy duty fully padded rig bag from 600D PU coated polyester with three main compartments for mast, boom and sprit. With zip closure over the full length, name tag, two additional luggage pockets and detachable and adjustable carrying strap.

### EX1068 Fully padded rig travel bag

## BOOKS AND VIDEO

EX1434 Drillbook: the DinghyCoach method (English written)

Over 75 specific exercises organized by category and difficulty to serve as a guideline and inspiration for coaches. Written by Pim Stumpel and Ben Koppelaar and with support of Huub Lambriex they have created tools to help coaches, program-managers and sailors set goals and structurally train to become better sailors.

EX1435 Access card: Dinghycoach Optimist technique video

DinghyCoach Pim Stumpel shares his knowledge in more than 60 minutes of videos where you learn everything about tacking, gybing, starting and all other sailing skills. This video giftcard contains a unique code, which can be activated online. DinghyCoach updates the online videos in case new techniques are discovered!

EX1438 The secrets of Opti coaching

Atila Hodacs reveals 20 years of his coaching experience in this 85 page book. Includes phases of development, how to lead sailors to international level racing, setting up training sessions, how to improve boathandling, strategy and how to minimize mistakes. A must have for every trainer, coach and interested parent.

EX1439 The Optimist Dinghy 1947-2007

A provisional history of the first sixty years of the International Optimist dinghy. Written by Robert Wilkes and Clifford McKay Jr

## GIFT ITEMS AND ACCESSORIES

EX1471 Optimist scale model

Affordable Optimist model, scale 1:15. Complete with spars, sail, foils and 3 buoyancy bags. 16 cm long hull with wooden stand.

EX1472 Optimist mini sail

Optimist mini sail, scale 1:6, 47 cm high. Made of real Dacron with window, sailbattens and class logo. Reinforced corners with eyelets.

EX1475 Opti key ring, blue

EX1476 Opti key ring, green

EX1477 Opti key ring, red

Flexible rubber key ring with Opti class logo. 8 cm high

EX1436 Optimist Happy Family card game. 24 pcs in display box.

EX1436-1 Optimist Happy Family card game.

The Optimist Happy Family card game consists of Optimist parts and facts about sailing. The game has 55 playing cards grouped in 13 families of 4, a rule card and 2 extra cards. An educational game for sailors of all ages.

## ROWING SEAT

EX1230 Polyester rowing seat

EX1232 Aluminium rowing oar set

EX1233 Rowing lock set

EX1234 Rowing lock base set

Polyester rowing seat for IOD'95 and non IOD Optimists. This seat consists of 2 separate sections which lock together in the daggerboard case. Due to this unique construction the seat can be easily stored or transported. Comes without rowing locks. Also available a set of 1.50 m long aluminium oars.



EX1434



EX1435



EX1438



EX1439



EX1436-1



EX1436



EX1475 EX1476 EX1477



EX1472



EX1471



EX1230



## MINIREELS

EX1365	Heavy duty Dyneema scissors
Ideal to cut your lines for splicing.	
Cuts Dyneema, Vectran, Spectra and Kevlar.	
EX13661	4.0 mm stainless steel splicing needle
EX13662	5.5 mm stainless steel splicing needle
These Selma® splicing fids are perfect for splicing Dyneema®, Vectran® and other braided ropes. The inside diameters are 4.0 and 5.5 mm. The 4.0 mm version is ideal to splice 3 to 4 mm lines. The 5.5 mm is meant for 5 to 6 mm.	
EX1366	3 mm pure Vectran minireel 16 meter (52 ft)
EX13663	3 mm pure Dyneema SK78 minireel 16 meter (52 ft), dark grey
EX13664	4 mm pure Dyneema SK78 minireel 12 meter (39 ft), dark grey
EX13665	5 mm pure Dyneema SK78 minireel 9 meter (29 ft), dark grey
EX1367	1.2 mm Vectran minireel 15 meter (49 ft). Used as lacing lines
EX13672	2.2 mm Vectran minireel 8 meter (26 ft). Used as corner ties
EX1368	3 mm Vectran minireel 16 meter (52 ft) Used as corner ties and bridle
EX1369	4 mm Vectran minireel 12 meter (39 ft) Used as sprit lift cleat line

## DB-RACING MAINSHEETS

EX2061Y	6 mm DB-Racing sheet line yellow 200 m reel (656 ft)
EX2060RD	7 mm DB-Racing sheet line red 200 m reel (656 ft)

Non-tangling double braided sheet lines with a light high stretch multi-filament polypropylene core and a braided polyester cover which leaves the outer to be the load bearer.

## DB-RACING CONTROL LINES

EX7544Y	4 mm DB-Racing control line 200 m reel. Yellow
EX7544RD	4 mm DB-Racing control line 200 m reel. Red
EX7544G	4 mm DB-Racing control line 200 m reel. Grey
EX7544BL	4 mm DB-Racing control line 200 m reel. Blue

High performance control lines with 12 plait Dyneema® SK78 core and Technora / polyester cover. A combination which ensures ultimate durability and grip.



EX1365



EX13661



EX13662



EX1366



EX13663



EX13664



EX13665



EX1367



EX13672



EX1368



EX1369



EX7544Y



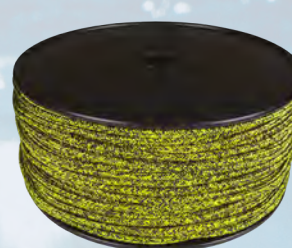
EX7544RD



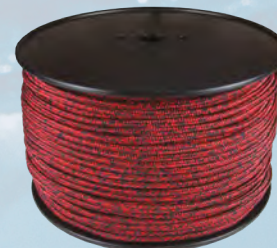
EX7544G



EX7544BL



EX2061Y



EX2060RD

**DB-RACING**





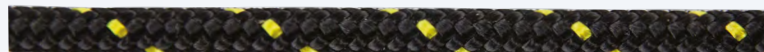
EX7523 3 mm shockcord, 100 m (328 ft)  
 EX7524 4 mm shockcord, 100 m (328 ft)  
 EX7525 5 mm shockcord, 100 m (328 ft)  
 EX7526 6 mm shockcord, 100 m (328 ft)

**100 meter black shockcord on reel**  
**Available in 4 sizes from 3 mm up to 6 mm**  
**Pure latex core and polyester cover**



**400 meter black/yellow vectran on reel**  
**Available in 4 sizes from 1.2 mm up to 4 mm**  
**Vectran core and HT polyester cover**

EX7501 1.2 mm vectran, 400 m (1312 ft)  
 EX7502 2.2 mm vectran, 400 m (1312 ft)  
 EX7503 3 mm vectran, 400 m (1312 ft)  
 EX7504 4 mm vectran, 400 m (1312 ft)



EX7511 1.5 mm trimline, 200 m (656 ft)  
 EX7512 2 mm trimline, 200 m (656 ft)  
 EX7513 3 mm trimline, 200 m (656 ft)

**200 meter black trimline on reel**  
**Available in 3 sizes from 1.5 mm up to 3 mm**  
**Polyester core and polyester cover**



**200 meter blue/yellow trimline on reel**  
**Available in 3 sizes from 4 mm up to 6 mm**  
**Polyester core and polyester cover**

EX7514 4 mm trimline, 200 m (656 ft)  
 EX7515 5 mm trimline, 200 m (656 ft)  
 EX7516 6 mm trimline, 200 m (656 ft)



EX7580 8 mm sheetline, 500m (1640 ft)

**500 meter blue/purple sheetline**  
**Available size: 8 mm**  
**HT braid polypropylene core**  
**UV threated polypropylene cover**



**500 meter painter line on reel**  
**Available size: 5.5 mm**  
**Double braid polypropylene core**  
**UV threated polypropylene cover**

EX7555 5.5 mm line, 500m (1640 ft)



**NEW**

EX7573 3 mm Dyneema, 200m (656 ft)  
 EX7574 4 mm Dyneema, 200m (656 ft)  
 EX7575 5 mm Dyneema, 200m (656 ft)  
 EX7576 6 mm Dyneema, 200m (656 ft)

**200 meter pure Dyneema SK78 on reel**  
**Available in 4 sizes from 3 mm up to 6 mm**  
**12 plait with Dyneema SK78**  
**With PU treatment**





## 16MM STANDARD TILLER EXTENSIONS

652406	60 cm standard tiller extension
652407	70 cm standard tiller extension
652408	80 cm standard tiller extension
652409	90 cm standard tiller extension
652410	100 cm standard tiller extension
652411	110 cm standard tiller extension
652412	120 cm standard tiller extension

The standard tiller extension is made of silver anodized 16 mm aluminium tube fitted with a fixed rubber swivel joint and a golf grip handle.



## 16MM DELUXE TILLER EXTENSIONS

652306	60 cm deluxe tiller extension
652307	70 cm deluxe tiller extension
652308	80 cm deluxe tiller extension
652309	90 cm deluxe tiller extension
652310	100 cm deluxe tiller extension
652311	110 cm deluxe tiller extension
652312	120 cm deluxe tiller extension

The deluxe tiller extension is made of black anodized 16 mm aluminium tube fitted with a releasable joint and EVA foam grip.



## 20MM ALUMINIUM X-GRIPPED TILLER EXTENSIONS

652006	60 cm aluminium X-gripped tiller extension
652007	70 cm aluminium X-gripped tiller extension
652008	80 cm aluminium X-gripped tiller extension
652009	90 cm aluminium X-gripped tiller extension
652010	100 cm aluminium X-gripped tiller extension
652011	110 cm aluminium X-gripped tiller extension
652012	120 cm aluminium X-gripped tiller extension

The aluminium X-gripped tiller extension is made of a black anodized 20 mm aluminium tube fitted with X-gripped heat shrinkable tubing. These tiller extensions are supplied with a releasable rubber joint with rope core.



## 16MM CARBON TILLER EXTENSIONS

652206	60 cm carbon tiller extension
652207	70 cm carbon tiller extension
652208	80 cm carbon tiller extension

The carbon tiller extension is made of a 16 mm braided carbon tube fitted with a releasable joint and EVA foam grip.



## 20MM CARBON X-GRIPPED TILLER EXTENSIONS

652109	90 cm carbon X-gripped tiller extension
652110	100 cm carbon X-gripped tiller extension
652111	110 cm carbon X-gripped tiller extension
652112	120 cm carbon X-gripped tiller extension
652112BKRD	120 cm carbon X-gripped tiller extension, Doppio
652119	190 cm carbon X-gripped tiller extension
652125	250 cm carbon X-gripped tiller extension

The carbon tiller extension is made of an extra stiff and light 20 mm carbon tube fitted with X-gripped heat shrinkable tubing. These tiller extensions are supplied with a releasable rubber joint with rope core.

The 120 cm tiller extension is available in two different colors. One special color called "Doppio".

It is a black grip with a raised red X-pattern to create extra grip; double grip!



## TILLER ACCESSORIES

652960	16mm golf club grip as used on standard tiller extensions
652961	16mm eva foam grip as used on deluxe tiller extensions
652963	16mm eva foam grip, multicolored
652964Y	20mm hi-tech X-grip heat shrinkable 100 cm long, yellow
652964GR	20mm hi-tech X-grip heat shrinkable 100 cm long, green
652964BL	20mm hi-tech X-grip heat shrinkable 100 cm long, blue
652964RD	20mm hi-tech X-grip heat shrinkable 100 cm long, red
652964BK	20mm hi-tech X-grip heat shrinkable 100 cm long, black
652964BK-RD	20mm hi-tech X-grip heat shrinkable 100 cm long, Doppio

X-gripped heat shrinkable tubing. Available in six different colors. One special color called "Doppio". It is a black grip with raised red X-pattern to create extra grip; double grip! Slide the grip over the extension and shrink it with a heat gun.

652965	Clip for 16 mm extensions
652966	Replacement end knob for 20 mm carbon extensions
652998	Saddle for mounting all extensions on 25 to 32 mm tubes
652944	Joint without rope core
652948	Joint with rope core, fixed base
652950	Joint with rope core, releasable base with pin and tubing

The rope core will avoid complete failure should the rubber tear. Mounted with pin which is kept in place by a piece of heat shrinkable tubing. The distance between the mounting hole centers of all joints is 32 mm.

## TILLERS FOR LASER®

652112	120 cm 20 mm X-gripped tiller extension
652850	Carbon tiller for Laser®
652900	Deluxe tiller for Laser®
652910	Deluxe tiller for Laser® including extension 652310
652930	Standard tiller for Laser®

The low profile in combination with the high stiffness and low weight creates an amazing light feeling when steering the boat. With anti-chafe plate.

## FOILS FOR LASER®

EX2051	Gudgeon for Laser®
EX2052	Heavy duty 10 mm pivot bolt*
EX2053	Rudderhead for Laser®*
EX2054	Rudderblade for Laser®*
EX2055	Daggerboard for Laser®*
EX20551	Daggerboard stopper set for Laser®
EX2056	Rudder retaining clip
EX2057	Tiller retaining pin

\* not allowed for use in official Class Association events



Some products on this page are compatible with Laser® but are not original Laser® products. Laser® is a registered trademark of Velum Limited and Performance Sailcraft Australia Ltd.



**SPAR AND HULL FITTINGS FOR LASER®**

EX2160	PTFE mast disk. Set of 3
Drop this disk into the mast hole. It absorbs grit and creates less friction between the bottom of the mast and the maststep.	
EX2120	Bottom mast plug
EX2122	Bottom plug top mast
EX2124	Top plug upper mast and outer boom end plug
EX2126	Upper mast sleeve
EX2128	Boom inner end plug
EX2130	Gooseneck
EX2132	Vang mast attachment
EX2134	Vang boom attachment
EX2136	Silver anodized aluminium Clamcleat
EX2137	Hard anodized aluminium Clamcleat
EX2137B	Hard anodized aluminium Clamcleat + becket
EX2138	Plastic eyelet for outhaul and traveler
EX2138A	Aluminium eyelet for outhaul and traveler
EX2139	Bow eye
EX2140	Eyelet for mainsheet blocks
EX2141	Nut for mounting traveler eyelet
EX2142	Vang block
EX2144	Vang block with jam
EX2146	Vang key straight
EX2147	Vang key curved
EX2148	Vang swivel
EX2150	Mainsheet block
EX2152	Mainsheet block with sister clips
EX2154	Mainsheet block with becket
EX2156	Traveler block with sister clips
EX2157	Rope linked traveler block*

Traveler blocks for Laser®. Features a Dyneema rope link instead of the standard sister clips. Super lightweight and exceptionally strong.

EX1295	57 mm Harken carbo ratchet block
EX1299	57 mm ball bearing ratchet block*
EX2161	Shrink tube for traveler blocks. Set of 10*

Do not use sticky duck tape anymore but apply a piece of heat shrinkable tubing around the joints of the blocks. Best applied with a heat gun. Large enough to slide over the smallest block before shrinking. Blocks not included

EX2164	Soft eyestrapp kit
This kit contains webbing and a rivet with washer to mount this soft eyestrapp. Class rules let you replace the stainless steel lacing eyestrapp in the middle of your boom with this soft strap.	

EX2182	Ball bearing cam cleat, aluminium
Hard anodized and PTFE coated ball bearing cleat. Aluminium cleats wear significantly less than carbon composite (plastic) cleats. Suitable for 5 - 12 mm lines. Hole distance 38 mm. 5 mm fixing screws.	

\* not allowed for use in official Class Association events



Some products on this page are compatible with Laser® but are not original Laser® products. Laser® is a registered trademark of Velum Limited and Performance Sailcraft Australia Ltd.

## DB-RACING MAINSHEET FOR LASER®

EX2058Y	6 mm sheet for Laser®, length 13.5 m (44 ft). Yellow
EX2058RD	7 mm sheet for Laser®, length 13.5 m (44 ft). Red

Non-tangling double braided mainsheets with a light high stretch multi-filament polypropylene core and a braided polyester cover which leaves the outer to be the load bearer.

## BAILER AND DRAIN PLUG FOR LASER®

EX2070	Auto bailer for Laser®*
EX2072	Bailer replacement kit*
Replacement kit consist: two O-rings, a chute and a cockpit plug	
EX2074-10	Replacement O-rings. Set of 10*
EX2075	Stainless steel bailer springs*
EX2076	Cockpit plug*
EX2080	Drain plug assembly
EX2081	Drain plug only

## PADDED HIKING STRAP FOR LASER®

EX2000	Padded hiking strap
EX2000P	Padded hiking strap PRO
Wide 10 cm padded hiking straps, 86 cm long with a loop on the aft and open on the front. The pro version is extra stiff with hard foam inside and rubber grip underneath.	
EX2002	Mounting plate
EX2003	Strap eye for hiking strap and mainsheet block
Stainless steel strap eye to mount your hiking strap in the aft end of the Laser® cockpit and to attach the mainsheet block to. Hole distance 30 mm.	
EX2004	Daggerboard friction plate
EX2165	Hiking strap adjuster cleat with DB-Racing line

Recent rule changes allows the use of this Clamcleat to make a hiking strap adjustment system.

## GRAB RAIL FOR LASER®

EX2166	Grab rail for Laser®
This grey hard plastic grab rail should be mounted on both sides of the Laser cockpit. Provides a hand hold while tacking or getting back in the boat after a capsize. Also works with other dinghies.	

\* not allowed for use in official Class Association events



EX2058Y

EX2058RD



EX2070



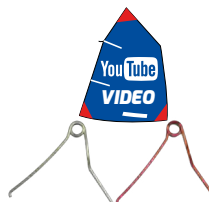
EX2074-10



EX2072



EX2076



EX2075



EX2080



EX2081



EX2165



EX2000



EX2000P



EX2002



EX2003



EX2004



EX2166



## UPGRADES FOR LASER®

EX2005	Clew strap
EX2007	Clew hook
EX2008	Clew hook with 20 mm ball bearing block
The ultimate clew tie down system for the Laser®. One end of the strap has the loop velcro on both sides. It then sandwiches between the hook velcro, providing so much contact area that the strap will not slip. Can be used with a clew hook, with or without 20 mm ball bearing block, to create a quick, easy and reliable clew system.	
EX2010	Clew sleeve with 16 mm Harken airblock*
The stainless steel sleeve will be fixed to the boom and does not have to be detached after sailing. The quickest system for fixing the clew.	
EX2176	Cleat plate for cunningham and outhaul*
EX2178	Block plate with 20 mm ball bearing blocks*
EX2179	Block plate only*
EX2180	20 mm ball bearing block*
EX2181	20 mm ball bearing fork block*
EX2183	Small composite cam cleat*
EX2184	Fairlead for small composite cam cleat*
EX2185	Block plate with 29 mm Harken blocks*
EX2186	29 mm Harken block with bolt*

Upgrade the builders supplied control line blocks to 29 mm Harken blocks. The 29 mm Harken blocks can be bolted on the existing block plate and provide less friction for easier control.

\* not allowed for use in official Class Association events

EX2200	DB-Racing 6:1 cunningham for Laser® 4.7 / Radial
EX2204	DB-Racing 8:1 cunningham for Laser® MK2
EX2208	DB-Racing outhaul for Laser® 4.7
EX2212	DB-Racing outhaul for Laser® Radial / MK2
Spliced Dyneema® primary lines with 29 mm Harken Ti-Lite blocks. Comes with a 4 mm DB-Racing secondary control line, consists of a Dyneema® core and Technora / polyester cover for ultimate durability and grip. Cut at ideal length for direct use and the ability to add a loop- or braided handle.	
EX2216	DB-Racing vang lines for Laser®
Spliced Dyneema® primary line with a loop on one end for easy attachment. Comes with a 4 mm DB-Racing secondary control line, consists of a Dyneema® core and Technora / polyester cover for ultimate durability and grip. Cut at ideal length for direct use.	
EX2220	DB-Racing control line pack for Laser®
Complete pack of DB-Racing replacement control lines for outhaul, cunningham, vang and hiking strap adjuster line. Cut at ideal length for direct use and the ability to add a loop- or braided handle.	
EX2225	Spliced mast loop for Laser®

Harken 29 mm Ti-Lite block spliced on a 4 mm Dyneema® line with loop. To use with the DB-Racing cunningham and outhaul. Attach below the vang assembly for cunningham use and attach above the gooseneck for outhaul use.



Some products on this page are compatible with Laser® but are not original Laser® products. Laser® is a registered trademark of Velum Limited and Performance Sailcraft Australia Ltd.

### EX2190 Power pack for Laser®\*

Complete pack with all necessary cleats, blocks, lines and screws for cunningham and outhaul. Comes with 4 mm polyester secondary lines and Dyneema® primary lines.

### EX2195 Vang pack for Laser®\*

Complete 15:1 vang pack with all necessary cleats, blocks and lines. Comes with a 4 mm polyester secondary line and a Dyneema® primary line.

### EX2196 Handle for vang, 30 cm

### EX2197 Control line pack for Laser®

Complete pack of control lines for outhaul, cunningham and vang. Comes with 4 mm polyester secondary lines and Dyneema® primary lines. Outhaul shockcord included.

### EX2198 Traveler line for Laser®

6 mm Dyneema® traveler, pre-cut at 3.5 meter with a spliced loop on one end. This 12 plait Dyneema® SK78 ensures extremely good wear resistance characteristics, provides minimal water absorption, low stretch and ultimate tension on the traveler.

### EX2199 Daggerboard shockcord for Laser®

This daggerboard bungee consists of a 6 mm shockcord with plastic snap hook and a line to loop through the daggerboard.

## SAIL NUMBERS FOR LASER®

EX2033BK....	Sail number, black, 30.5 cm	=order per piece=
EX2033RD.....	Sail number, red, 30.5 cm	=order per piece=
EX2033BL....	Sail number, blue, 30.5 cm	=order per piece=

Specify the number, letter or nothing for digital, behind the part number

EX1421	Red rhombus, 24 cm
--------	--------------------

## TRAINING SAILS FOR LASER® AND LASER® PICO

EX2023	Compatible training sail for 4.7 Laser®*
EX2025	Compatible training sail for Radial Laser®*
EX2030	Compatible training sail for Standard Laser®*

4.7, Radial and MK2 compatible training sails for Laser®. Supplied with sailbag and telltales. Sail battens are sold separately.

### EX2031 Set of sail battens\*

Sail battens for 4.7, Radial and MK1 (2x60 cm, 1x40 cm)

### EX2031MK2 Set of MK2 sail battens\*

Sail battens for MK2 Laser® sail, (1x40 cm, 1x60 cm and 1x75 cm)

### EX2035 Compatible training sail for Laser® Pico. (Main + Jib)\*

Sail for Laser® Pico. This sail consists of a mainsail and jib made out of 4 OZ blue Dacron sailcloth. The jib includes a 3 mm stainless steel forestay. Comes with a sailbag.

\* not allowed for use in official Class Association events



EX2190

EX2195



EX2197

EX2196



EX2199



EX2198



EX2033BK



EX2033RD



EX2033BL



EX2033BK..



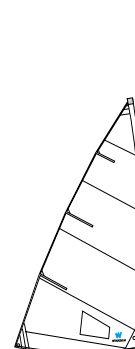
EX2033RD..



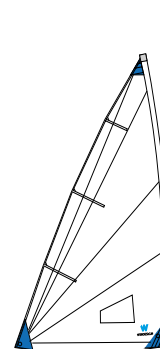
EX2033BL..



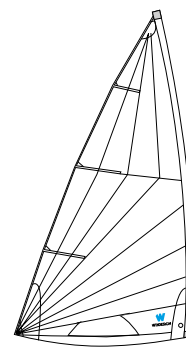
EX1421



EX2023



EX2025



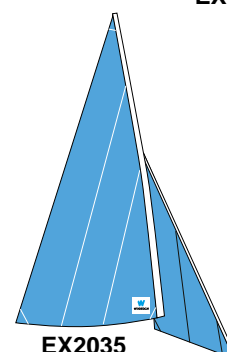
EX2030



EX2031



EX2031MK2



EX2035



## RIG SUPPORT FOR LASER®

### EX2065 Rig support for Laser®

High grade plastic molded rig support for Laser®. The front piece fits in the masthole and the back piece fits between the deck. The spars can be fixed to the supports with shockcord. Boom, upper mast, two bottom masts and a spare spar can be quickly and easily stored without damaging the deck during transport.



EX2065

## FOIL BAG FOR LASER®

### EX2050 Foil bag for Laser®

Heavily padded foil bag. Separate compartments for rudder, daggerboard, tiller and a large compartment for accessories. With carrying handle and adjustable and detachable strap.



EX2050

## COVERS FOR LASER®

### EX2040 Breathable top cover for Laser®

### EX2041 Economy top cover for Laser®

### EX2044 Economy bottom cover for Laser®

### EX2045 Breathable bottom cover for Laser®

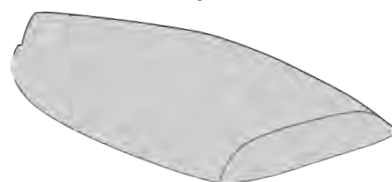
Our breathable covers are made of top quality, long-life Moistureguard 2000, a heavy duty 900D breathable polyester with a polyurethane membrane. Moistureguard reduces the risk of blisters. The economy top cover is made of strong and flexible solution dyed PVC coated polyester and the economy bottom cover is made of 600D PU coated polyester. Both top covers are slightly tented so that spars can be stored inside the boat and have wide skirts around the edge of the hull to provide good protection. The bottom cover webbing loops are installed to be able to pull the cover tight around the hull during transport.



EX2040



EX2041



EX2044 / EX2045

## BAGS FOR LASER®

### EX2032 Sail bag for Laser®

280 cm long sail bag for 4.7, Radial or Standard sail.

### EX2038 Rig travel bag for Laser®

Heavy duty bag from 600D polyester with 3 compartments for bottom mast, upper mast and boom. With zip closure, name tag pocket and adjustable and detachable carrying strap. Can be bundled with 2 straps to create a compact package. Sail can be stored rolled around the top mast.

### EX2039 Top mast bag for Laser®

Heavy duty mast bag from 600D polyester. With zip closure, name tag and carrying handle. Ideal to protect your Laser® carbon top mast.



EX2032

EX2038

EX2039

## REPLACEMENT SPARS FOR LASER®

### EX2110 Bottom mast for 4.7 Laser®\*

### EX2112 Bottom mast for Radial Laser®\*

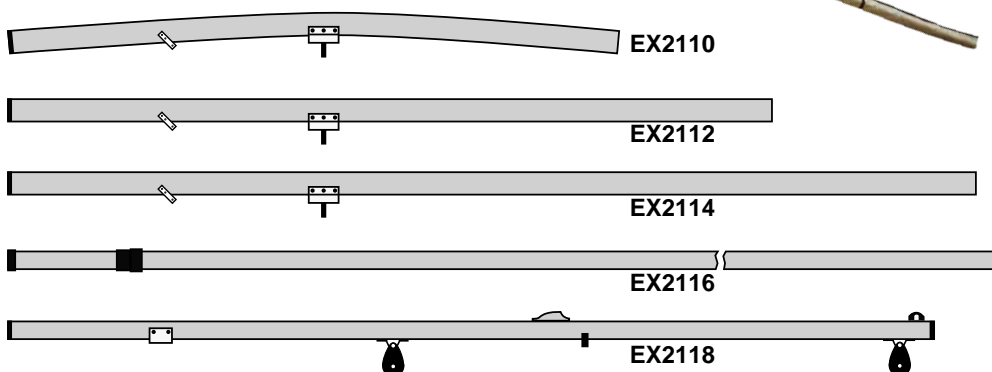
### EX2114 Bottom mast for Standard Laser®\*

### EX2116 Upper mast for 4.7, Radial and Standard Laser®\*

### EX2118 Boom for Laser®\*

All spars for the Laser® come with blocks and fittings.

\* not allowed for use in official Class Association events



EX2110

EX2112

EX2114

EX2116

EX2118

Some products on this page are compatible with Laser® but are not original Laser® products. Laser® is a registered trademark of Velum Limited and Performance Sailcraft Australia Ltd.

## PROTECTION PACK FOR LASER®

### EX2001 Protection pack for Laser®

Complete protection pack for maststep, mast, tiller, outhaul and daggerboard. Contains two disks for the maststep, two strips for the maststep and mast deck, two strips for snug fit of the upper mast, one strip for the deck abrasion from the tiller, one strip to prevent the outhaul and five squares for the daggerboard.



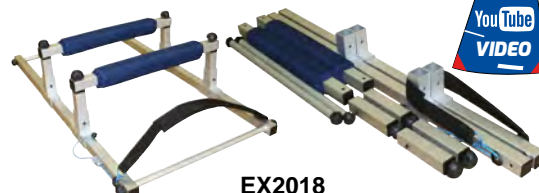
EX2001



## HIKING BENCH FOR LASER®

### EX2018 Hiking bench for Laser® and other dinghy sailors

Fully detachable hiking bench. With adjustable hiking strap and two padded supports. Perfect for that extra training session. Convenient portable and quick to assemble due to the quick link detachable joint design. Super strong and weighs just 5.7 kg.



EX2018



## WIND INDICATORS

### EX1243 Wind indicator Windesign PRO, red

### EX1243-10 Wind indicator Windesign PRO, red. Set of 10

### EX1243V-10 Vane only, red. Set of 10

### EX1243BL Wind indicator Windesign PRO, blue

### EX1243BL-10 Wind indicator Windesign PRO, blue Set of 10

### EX1243VBL-10 Vane only, blue. Set of 10

### EX2021 Wind indicator MK2 Windesign PRO, red

### EX2021BL Wind indicator MK2 Windesign PRO, blue

The Windesign wind indicator has a strong vane arm which is accurately balanced and performs amazing sensitive. The vane arm is attached to the needle with a positive locking system which prevents losing the vane arm.

### EX2022 Vane float

The personalizable 80 mm long vane float prevents losing your wind indicator. The wind indicator will float when it comes in the water.

### EX3044 Original 10" Hawk wind indicator

The original 27 cm (10") Hawk wind indicator. Lightweight with a balanced arm and the Hawk "V" jewel bearing surface. Weight: 25 grams



EX2021

EX1243



EX2021BL



EX3044

EX1243BL

## HANDLING DVD'S

### EX3033 Boat Whisperer DVD pack (pack of 2 upwind/downwind)

This boat whisperer DVD set shows the upwind and downwind action with a comprehensive debrief and analysis of the footage.

### EX3030 Sail faster 420 DVD

Learn how to go faster on your 420 with the help of World Champions. Here you can see some amazing and never seen action footage of 420 sailing in Lagos, Portugal. Shot with an articulated steady-cam, underwater cam and an inside boat camera for you to see all the secrets. Featuring several World Champions of the past years.



EX2022



EX1243V-10

EX1243VBL-10



EX3033



EX3030



## WINDESIGN DINGHY TROLLEY COLLECTION

The lightweight dinghy trolleys from Windesign are designed to be the most functional available. With 3 different angle connectors and different middle sections we can create a trolley for almost every dinghy. Spring lock quick release system on all parts allows the trolleys to be disassembled in matter of seconds for storage and travel. The frame has welded joints and is anodized to prevent corrosion. These trolleys are supplied with 8 mm stainless steel push button wheel locks which are mounted inside the stainless steel axles. Supplied with the NEW large Durastar-lite puncture proof wheels.

### EX2014 Trolley / dolly for Laser® Bug

The hull rests on 2 side supports and a special Bug front support which locks under the gunwale. This provides a stable support for the Bug. Side supports can be disassembled for easy transport.

### EX2015 Trolley / dolly for Laser®

The bow locks into a horseshoe shaped padded support and the hull rests on 2 side supports which lock under the gunwale. This provides a stable support for the Laser®. It comes with a firm rubber V-support (EX2017) which protects and stabilizes the hull when launching.

### EX2016 Trolley / dolly for Laser® with 2-piece middle section

Same design as our regular Laser® trolley (EX2015), but with 2-piece spring lock quick release middle section which allows you to disassemble the trolley in matter of seconds for storage and travel.

### EX5010 Trolley / dolly for Laser® Pico

### EX5011 Trolley / dolly for RS Feva

### EX5030 Trolley / dolly for Topper Topaz

### EX5031 Trolley / dolly for Fusion

### EX5036 Trolley / dolly for Europe

Lightweight aluminium dinghy trolleys. Spring locking quick release of all parts allows the trolley to be disassembled in a matter of seconds for storage and travel. The frame has welded joints and is anodized to prevent corrosion. These trolleys are supplied with 8 mm stainless steel push button wheel locks which are mounted inside the stainless steel axles. Supplied with NEW large Durastar-lite puncture proof wheels, V-supports, side supports and heavy duty 90 mm wide polyester webbing belt.

### EX5040 Trolley / dolly for Topper

The bow locks into a angle shaped padded support and the hull rests between 2 side supports. This provides a stable support for the Topper hull.

### EX2015P Complete side support

Side support for the Laser® trolley / dolly, can be used to replace old design supports.

### EX2017 Trolley / dolly V-support

V-support which can be used on all trolleys. Makes it easy to launch the boat without damaging the hull. Supplied with mounting hardware. Can be used on existing trolleys.



## COVERS FOR 420

<b>EX2046</b>	<b>420 top cover</b>
A heavy duty, long lasting 1680D polyester / PVC cover. 100% water resistant. 3 straps with adjustable buckles go underneath the hull and hold the cover tight.	
<b>EX2048</b>	<b>420 bottom cover</b>
A strong, flexible, 600D polyester PU coated cover.	
<b>EX3025</b>	<b>Padded 420 mast cover</b>
<b>EX3026</b>	<b>Padded 420 boom cover</b>
<b>EX3027</b>	<b>Padded 420 rudder cover</b>
<b>EX3028</b>	<b>Padded 420 daggerboard cover</b>

Fully padded 420 covers. The mast cover is tapered towards the top with reinforced openings for hounds and spreaders. Velcro closure runs from hounds to heel for quick and easy packing. With red safety flag. 600D polyester PVC with 5 mm closed cell foam and tarpaulin lining. The boom cover has a 120 cm long zip for easy access.

## 420 TRAINING SAILS AND ACCESSORIES

<b>EX3035</b>	<b>420 Jib</b>
<b>EX3036</b>	<b>420 Mainsail</b>
<b>EX3037</b>	<b>420 Spinnaker</b>
<b>EX3038</b>	<b>420 Mainsail + Jib (set)</b>

Main and jib are made of 4.18 Challenge performance Dacron, including sail battens, class logo and telltales. 7 panel main and 6 panel jib. 7 panel spinnaker made of 0.75 oz Challenge cloth.

<b>EX3040</b>	<b>Untapered 420 spinnaker pole with Seldén pole ends</b>
<b>EX3042</b>	<b>Tapered 420 spinnaker pole with Seldén pole ends</b>

Line and lacing eye are not mounted so you can assemble it according your own specifications.

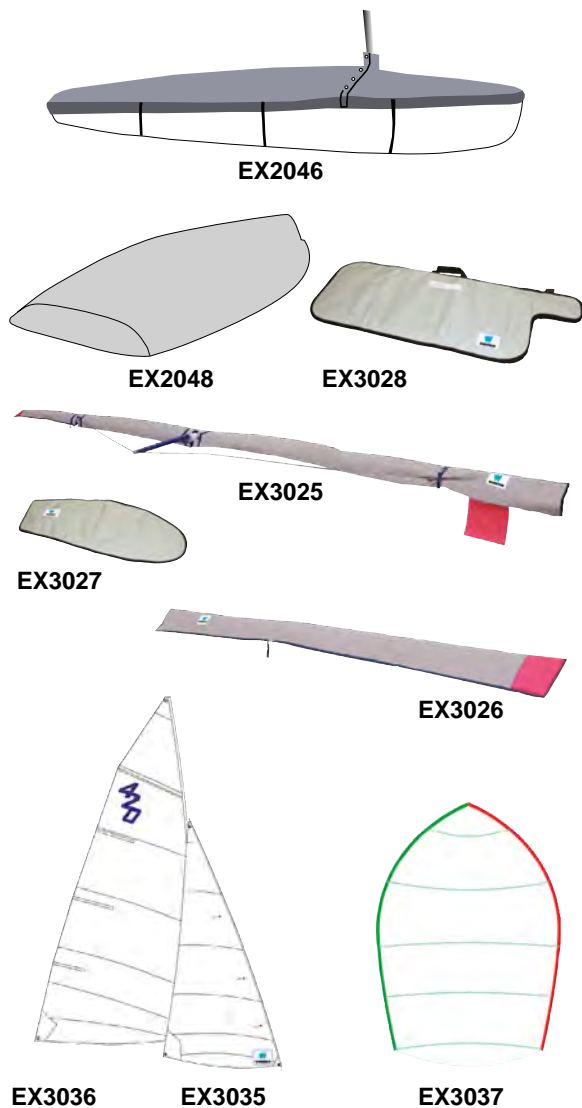
<b>EX3043</b>	<b>25 mm spinnaker pole end</b>
<b>EX3045</b>	<b>Two part trapeze handle</b>

This handle can be assembled around existing trapeze wires.

<b>EX3046</b>	<b>420 rudderblade</b>
<b>EX3047</b>	<b>420 centerboard</b>

18 mm GRP 420 foils with foam core and white gelcoat finish.

<b>EX3055</b>	<b>Clamcleat CL253 Trapeze and Vang cleat for 4-8 mm lines</b>
---------------	--





## LOW FRICTION RINGS

EX3001	19 mm low friction ring
EX3002	25 mm low friction ring
EX3003	38 mm low friction ring

The lightweight alternative to a block, with no moving parts this is an extremely low maintenance item. Hard anodized with PTFE coating to provide the smoothest wear resistant surface possible. These low friction rings can be used in various applications: EX3001 as lead ring for control lines, EX3002 as Optimist halyard block and EX3003 as Optimist mainsheet block.

MODEL	D1	D2	Ø	T	WEIGHT
Ø19	19	7	4,5	8,5	3,5 g
Ø25	25	9	6	10	6 g
Ø38	38	15	9	13	15,5

## WINDESIGN ACCESSORIES

**EX3005** 6 mm stopper ball  
Black stopper ball, suitable for lines up to 6 mm. Can be used in various applications. Outside diameter 22 mm.

**EX3008** Clinometer  
Affordable black plastic clinometer with self-adhesive backing for easy fitting. An accurate ball gauge shows the boat angle up to 45 degrees. Size: 90 x 40 mm

**EX3010** Digital regatta timer  
**EX3012** Timer mounting bracket  
A water resistant timer with rigid casting and 3M velcro fixing. Quick set / reset and synchronize function. Beeps every 10 seconds during the last minute. Size: 90 x 76 x 23 mm

**EX1447S** Load straps 5 meter. Set of two  
**EX1447** Load straps 6 meter. Set of two  
Set of two load straps with protection behind the buckle. Cam-action buckle and high quality 25 mm wide PP webbing. The 5 meter strap is ideal for securing Optimists and the 6 meter strap is suitable for most other dinghies.

**EX4200** Buoyancy bag  
Specially designed for Moth, but can be used for several other classes. These bags are made of polyurethane coated nylon and are about half the weight and significantly stronger than bags made of PVC or PVC coated nylon. Size: 106 x 20 cm inflated, 110 x 25 cm deflated

**EX2600** Mast float  
This mast float significantly reduces the risk of inversion. A very neat design of 2 inflatable tubes connected with a piece of sailcloth. The sailcloth can be folded around the luff rope and hoisted with the sail. Please note this product is meant for small dinghies only and does not guarantee 100% protection against inversion. Using it is for own responsibility. Length 80 cm. 8 liter.



## COACH GEAR

EX2650	Magnetic protest boat kit - full set
EX2651	Magnetic protest boat kit - travel set
Ideal for accurately depicting races, enforcing and teaching the racing rules, as well as for protests. For sailing clubs, committees, sailors and coaches. These packs come in a handy zip lock bag. The full set contains twelve boats in various colors, the travel set contains four boats. Both sets come with one wind arrow, one current arrow and four racing marks.	
EX2589	Water bottle, 750 ml
EX2665	Waterproof notebook, 10 x 15 cm, 100 squared pages
A must-have for all coaches and outdoor people. All-weather notebook with top spiral binding. Your text does not disappear, even when wet.	
EX2655	Training and regatta mark 180 x 18 CM
EX2655B	Replacement bladder for training mark
This highly visible yellow training mark is designed to last long. The mark consists of 3 separate parts: a solid outer, an inflatable inner bladder and a ballast bag. The mark can be used anchored or as drifting mark. At the bottom you will find a big handle where you can easily fasten the mooring line.	
EX2660	Pyramid racing mark 140 x 140 x 120 CM

Constructed from high quality 0,9 mm thick durable PVC coated polyester tarpaulin. The bright color and the size of the mark will help sailors see the mark from a great distance. At the bottom you will find 4 stainless steel D-rings to attach a mooring line. The three sides without artwork can be used for advertising or sponsoring.

## PIN, RING, SHACKLE AND RIVET COLLECTION\*

PART NO.	Description / Length / Set of	Hole Ø	Max Grip
EX2680-10	(1) Pop rivet, 10,3 mm, open. Set of 10	3,2 mm	7,1 mm
EX2682-10	(2) Pop rivet, 9,5 mm, open. Set of 10	4 mm	5,8 mm
EX2684-10	(3) Pop rivet, 10 mm, open. Set of 10	4,8 mm	5,8 mm
EX2686-10	(4) Pop rivet, 16,5 mm, open. Set of 10	4,8 mm	12,5 mm
EX2688-10	(5) Pop rivet, 12,5 mm, open. Set of 10	6,4 mm	7,6 mm
EX2690-10	(6) Pop rivet, 13 mm, closed. Set of 10	3,2 mm	7,9 mm
EX2692-10	(7) Pop rivet, 10,2 mm, closed. Set of 10	4 mm	4,8 mm

Monel rivets with mandrel made of galvanized steel. Monel is a nickel-copper alloy with high tensile strength, which is very resistant to atmospheric corrosion and sea water. We supply open and closed type Monel rivets. Closed rivets provide an airtight seal.

EX2712-10	Clevis pin 4 x 14 mm. Set of 10
EX2714-10	Clevis pin 4 x 19 mm. Set of 10
EX2722-10	Clevis pin 5 x 18 mm. Set of 10
EX2724-10	Clevis pin 5 x 21 mm. Set of 10
EX2730-10	Safety ring 1.0 x 11 mm. Set of 10
EX2732-10	Safety ring 1.2 x 15 mm. Set of 10
EX2734-10	Safety ring 1.5 x 19 mm. Set of 10
EX2736-10	Safety ring 2.0 x 25 mm. Set of 10
EX2744-10	Flat shackle 4 mm. Set of 10
EX2745-10	Flat shackle 5 mm. Set of 10
EX2754-10	D-shackle 4 mm. Set of 10
EX2755-10	D-shackle 5 mm. Set of 10
EX2780	Shackle key

Suitable to screw pin and slotted head shackles. 8, 10, 13 mm open end spanner and bottle opener. The shackle key is 10 cm long.

\* All pins, rings, shackles and rivets are supplied in a blister packaging.







## PERFORMANCE



Our MIRA SERIES are designed with the highest quality fabrics to provide high end waterproofness, durability and flexibility. Comfortable dinghy sailing gear for junior and adult.

### NEO-SKIN

NEO-SKIN fabric is a 3-layer combination of a nylon water repellent outer, a lightweight stretch mid and a soft nylon inside layer.



W-FLEX stands for our neoprene flexibility. The combination of high quality neoprene and the production technique offers the flexibility that every sailor is looking for.

### POLAR

POLAR is a soft fleece fabric which offers the best comfort and warmth to your skin.

### RIPSTOP

Our buoyancy aids features a lightweight ripstop outer layer. The thicker thread which is used in the ripstop weaving technique ensures more durability.

### UV50+ SKIN

Protect yourself against the sun with our UV50+SKIN products. The UV50+ fabric provides maximum sun protection.



Our Comfort Hiking Trapeze Harness provides full back support, has a PVC coated 600D polyester shell and heavy duty rear. Unique in adjustability and comfort.

### STRETCH-SKIN

Our gloves features a comfortable stretch-skin fabric. This stretch-skin fabric gives you the flexibility and comfort that you need.

2021 MIRA CLOTHING COLLECTION



KIDS SIZES

ADULT SIZES



## HEADWEAR



## NEOPRENE LONG JOHN, LONG JANE & TOP



## BUOYANCY AID (PFD)



## KNEEPADS, RASH TOPS, HIKING GEAR & GLOVES



## FOOTWEAR



## ACCESSORIES





## 3MM NEO-SKIN LONG JOHN / LONG JANE UNISEX

LONG JOHN, LONG JANE & TOP

EASY ENTRY  
VELCRO FASTENING

3MM NEO-SKIN FABRIC

FLATLOCK STITCHING

HORIZONTAL PEE ZIPPER

REINFORCED SEAT PANEL

W-FLEX TECHNOLOGY

REINFORCED KNEEPADS

STITCHED LEG SEALS

NEW



### FEATURES

- 3 mm Neo-Skin fabric
- Velcro shoulder strap
- Horizontal pee zipper (long john)
- W-Flex technology
- Flatlock stitching
- Reinforced in knees and seat
- High quality stitched leg seals

EX2524J.... Neo-Skin Long Jane Junior (JS,JM,JL,JXL)

EX2525J.... Neo-Skin Long John Junior (JS,JM,JL,JXL)

EX2525.... Neo-Skin Long John Adult (S,M,L,XL)

SIZE	JS	JM	JL	JXL	S	M	L	XL
HEIGHT CM	128-136	137-145	146-154	155-162	163-170	171-178	179-186	187-190
WAIST CM	57-60	61-64	65-68	69-73	74-79	80-86	87-94	95-102
CHEST CM	64-69	70-75	76-82	83-89	90-96	97-103	104-111	112-119



## 2.5MM NEO-SKIN TOP

UNISEX

SOFT TOUCH GLIDESKIN NECK

2.5MM NEO-SKIN FABRIC

FLATLOCK STITCHING

W-FLEX TECHNOLOGY

SOFT SMOOTH NEOPRENE WAIST

POLAR INNER LINING

STITCHED WRIST SEALS



### FEATURES

- 2.5 mm Neo-Skin fabric
- Polar inner lining
- Soft smooth neoprene waist
- Soft touch glideskin neck
- W-Flex technology
- Flatlock stitching
- High quality stitched wrist seals

EX2526J.... Neo-Skin Top Junior (JS,JM,JL,JXL)

EX2526.... Neo-Skin Top Adult (S,M,L,XL)

SIZE	JS	JM	JL	JXL	S	M	L	XL
HEIGHT CM	128-136	137-145	146-154	155-162	163-170	171-178	179-186	187-190
WAIST CM	57-60	61-64	65-68	69-73	74-79	80-86	87-94	95-102
CHEST CM	64-69	70-75	76-82	83-89	90-96	97-103	104-111	112-119



## SHORT FINGER GLOVES

UNISEX

VELCRO SECURED WRIST

EASY PULL ON STRAP

CURVED AMARA GRIP PANEL

COMFORTABLE KNUCKLE PANEL

REINFORCED ON THUMB

UV 50+ PROTECTION

COMFORTABLE STRETCH FABRIC

CURVED AMARA FINGER PANELS

AMARA PALM PANEL

AMARA GRIP PANEL

QUICK DRY FABRIC



**UV50+ SKIN  
STRETCH-SKIN**

### FEATURES

- Amara grip panel
- UV50+ Protection
- Comfortable knuckle panel
- Velcro secured wrist
- Comfortable stretch fabric
- Quick dry fabric
- Easy pull on strap

EX2550J.... Short Finger Gloves Junior (JS,JM,JL)

EX2550.... Short Finger Gloves Adult (S,M,L,XL)

SIZE	JS	JM	JL	S	M	L	XL
CIRCUMFERENCE HAND CM	14.5-15.5	15.5-16.5	16.5-17.5	17.5-19	19-21.5	21.5-23	23-24.5

## KEVLAR KNEEPADS

UNISEX

DOUBLE SECURED VELCRO FASTENING

ERGONOMICAL DESIGNED

FLEXIBLE NEOPRENE PADDING

ELASTIC ADJUSTABLE STRAPS

IMPACT KEVLAR PROTECTION

FLATLOCK STITCHING



**NEO-SKIN**



**UV50+ SKIN**

### FEATURES

- Kevlar protection
- Elastic adjustable straps
- Double secured Velcro fastening
- Flexible neoprene padding
- Ergonomical designed
- Flatlock stitching

EX2545SM Kevlar Kneepads S/M

EX2545LXL Kevlar Kneepads L/XL



## 2 MM NEOPRENE SOCKS

UNISEX



NEO-SKIN

### FEATURES

- 2 mm Neo-Skin fabric
- Flatlock stitching
- Pre-shaped
- Pull strap



EX2470.... Neoprene Socks (S,M,L,XL)

SIZE	S	M	L	XL
UK	1-3	4-6	7-9	10-12
EUROPE	32-35	36-39	40-44	45-48
USA MENS	1.5-3.5	4.5-6.5	7.5-9.5	10.5-12.5

## 5 MM NEOPRENE BOOTS

UNISEX



NEO-SKIN

### FEATURES

- 5 mm neoprene
- Durable non-slip sole
- High quality YKK zipper
- Zip protection flap
- Lightweight



EX2450.... Neoprene sailing boots

SIZE	J1	J2	J3	J4	J5	XS	S	M	L	XL	2XL	3XL
UK	1	2	3	4	5	6	7	8	9	10	11	12
EUROPE	32-33	34	35	36	37-38	39	40-41	42	43-44	45	46	47-48
USA MENS	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5	12.5

## 3 MM NEOPRENE SHOES

UNISEX



### FEATURES

- 3 mm neoprene
- Flatlock stitching
- Double stabilized sole
- Adjustable pull string for snug fit



EX2460.... Neoprene dinghy shoes

SIZE	J1	J2	J3	J4	J5	XS	S	M	L	XL	2XL	3XL
UK	1	2	3	4	5	6	7	8	9	10	11	12
EUROPE	32-33	34	35	36	37-38	39	40-41	42	43-44	45	46	47-48
USA MENS	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5	12.5



## RIPSTOP OVERHEAD BUOYANCY AID

UNISEX



### RIPSTOP

#### FEATURES

- Lightweight
- Ripstop outer fabric
- Adjustable shoulder straps
- Adjustable side straps
- Neoprene covered buckles
- Self-draining front pocket
- EN ISO 12402-5 50N approved
- Not USCG approved

EX2522.... Ripstop overhead buoyancy aid (S,M,L,XL)



	CM	KG	N
S	86-96	40-60	40
M	96-106	60-70	45
L	106-116	70+	50
XL	116-127	70+	50

## RIPSTOP SIDE ZIP BUOYANCY AID

UNISEX



### RIPSTOP

#### FEATURES

- Lightweight
- Ripstop outer fabric
- Side zip entry (YKK)
- Double sided velcro waist closure
- Padded shoulders with reflection
- Self-draining front pocket
- Non-slip grip on the inside
- Junior sizes includes crotch strap
- EN ISO 12402-5 50N approved
- Not USCG approved

EX2521J.... Ripstop side zip buoyancy aid Junior (JS,JM,JL)

EX2521.... Ripstop side zip buoyancy aid Adult (S,M,L,XL)



	CM	KG	N
JS	75-80	30-40	35
JM	80-85	30-40	35
JL	85-90	35-45	35
S	90-95	40-60	40
M	95-105	60-70	45
L	105-115	70+	50
XL	115-125	70+	50



**SHORT/LONG SLEEVE RASH TOP**

UNISEX

**UV50+ SKIN****EX2535****EX2540****FEATURES**

- UV50+ protection
- Flatlock stitching
- Snug fit

**EX2535.... Short sleeve Rash top (JS,JL,S,M,L)****EX2540.... Long sleeve Rash top (JS,JL,S,M,L)**

SIZE	JS	JL	S	M	L
HEIGHT CM	128-145	146-162	163-171	172-180	181-190
WAIST CM	57-64	65-73	74-82	83-91	92-102
CHEST CM	64-75	76-89	90-98	99-107	108-119

**COMFORT HIKING TRAPEZE HARNESS**

UNISEX

**FEATURES**

- Full back support
- Eight points spreader bar fixation
- Comfortable and adjustable leg straps
- Adjustable shoulder strap release system
- Neoprene covered stainless steel buckles
- PVC coated 600D polyester shell
- Stainless steel spreader bar
- Heavy duty rear

**EX2560.... Trapeze harness (S,M,L,XL,XXL)**

SIZE	S	M	L	XL	XXL
WAIST CM	71-76	76-81	81-86	86-92	92>
WAIST INCH	<30	30-32	32-34	34-36	36>

**KIDS HIKING PANTS**

KIDS UNISEX

**FEATURES**

- Durable 1680D polyester
- Stiff polyester battens
- Velcro closures on legs and waist
- Elastic sections to increase comfort

**EX2500.... Hiking pants (JS,JM,JL)**

SIZE	JS	JM	JL
WAIST CM	53-67	60-67	69-86
WAIST INCH	20-26	24-30	27-34
YEARS	9-11	11-13	13-15



## SUNPROTECTION VISOR

UNISEX



### FEATURES

- Plastic reinforced pre-curved peak
- Mesh fabric with tricot backing
- Minimal water absorption
- Adjustable hook/loop closure
- Comfortable 3-layer cotton sweatband



EX2581B Windesign visor, Black

EX2581C Windesign visor, Cyan

## FLOATING KNITTED BEANIE

UNISEX



JUNIOR

ADULT

### FEATURES

- Floatable
- Comfortable and warm
- Adult size with roll-over



EX2582J Floating knitted Junior beanie

EX2582 Floating knitted Adult beanie

## 2 MM NEOPRENE BEANIE

UNISEX



### FEATURES

- 2 mm Neo-Skin fabric
- Comfortable and warm
- Capleash attachment strap



EX2584 Neoprene beanie

## WEBBING CAPLEASH

LENGTH 30 CM



### FEATURES

- Durable webbing
- Easy to use crocodile clips
- Overall length 30 cm



EX2596 Webbing capleash

## FLOATING SUNGLASSES STRAP

LENGTH 38 CM



### FEATURES

- Floatable
- Comfortable
- Easy to attach



EX2597 Floating sunglasses strap

## FLOATING KEY CHAIN

85x40x15 MM



### FEATURES

- Floatable
- Personalizable with name and sail no.
- 3-layers structure



EX2588 Floating key chain

**TOOL/TOILET BAG**

25x16x16 CM


**FEATURES**

- Multi purpose tool/toilet bag
- Inside mesh pocket
- Easy to carry handle
- Compact

EX2571

Tool/toilet bag

**PX BRIEFCASE**

40x30x5 CM


**FEATURES**

- PX10 sailcloth
- Four zipped compartments
- Compartment for laptop or tablet
- Internal accessory pockets

EX2572

PX10 Briefcase

**DOCUMENT BAG**

32x25 CM


**FEATURES**

- Splashproof fabric
- Compartment for A4 documents
- Ideal for measurement forms

EX2575

Document bag

**PENCIL CASE**

24x12 CM


**FEATURES**

- Splashproof fabric
- Compartment for pencils

EX2576

Pencil case

**LYCRA TANKTOP**

UNISEX

**PERFECT FOR  
TEAMS!**

**FEATURES**

- Streamlined
- Highly flexible
- Lycra fabric

EX2530JO

Junior Tanktop, Orange

EX2530W

Adult Tanktop, White

**QUICK DRY TOWEL**

80x130 CM


**FEATURES**

- Super absorbent
- Soft and quick dry design
- Compact and ultra lightweight
- Easy hang snap loop
- Including mesh carry-bag

EX2583

Quick dry towel

**PHONE/CAMERA BAG**

21x11 CM


**FEATURES**

- Waterproof
- Zip lock / Velcro closure
- Inside: 9x17 CM

EX2578

Waterproof bag



**ROLLER BAG**

88 L


**FEATURES**

- Waterresistant 1000D PVC cloth
- Velcro PX-10 sailcloth outside pockets
- Large main compartment
- Three inner pockets (1 mesh)
- 7 cm wheels
- Two grab handles
- Removable shoulder strap
- Extendable luggage handle

EX2622

Roller bag, 66x37x36 CM

**ROLLER BAG**

124 L


**FEATURES**

- Waterresistant 1000D PVC cloth
- Velcro PX-10 sailcloth outside pockets
- Large main compartment
- Three inner pockets (1 mesh)
- Large 11 cm wheels
- Two grab handles
- Removable shoulder strap
- Extendable luggage handle

EX2624

Roller bag, 74x43x39 CM

**DRY BAG**

5 L


**FEATURES**

- Waterproof
- Roll top buckle closure
- Semi transparent ripstop

EX2605

Dry bag, 5 L

**DRY BAG**

15 L


**FEATURES**

- Waterproof
- Roll top buckle closure
- Semi transparent ripstop

EX2608

Dry bag, 15 L

**DRY BAG**

40 L


**FEATURES**

- Waterproof
- Roll top buckle closure
- Semi transparent ripstop
- Air release valve
- Detachable strap

EX2610

Dry bag, 40 L



## DRY BACKPACK

40L

WATERRESISTANT 600D POLYESTER

FRONT COMPARTMENT

EASY TO REACH TOP COMPARTMENT

PADDED  
SHOULDER STRAPS

ADJUSTABLE  
STERNUP STRAP

ADJUSTABLE HIP BELT

INTERNAL ACCESSORY POCKETS

1x PHONE POCKET, 3x PEN LOOPS, 2x ACCESSORY POCKETS

### FEATURES

- Waterresistant 600D polyester
- Three compartments
- Waterresistant zippers
- Internal accessory pockets

EX2620

Dry Backpack, 50x33x25 CM

## DUFFEL TRAVEL BAG

30 L

PADDED  
SHOULDER STRAPS

UPPER OPENING

SIDE OPENING

NEW

CABLE PASS THROUGH

CARABINER

INTERNAL POCKETS:

- PADDED LAPTOP COMPARTMENT
- TABLET COMPARTMENT
- SIDE COMPARTMENT

WATERRESISTANT 600D POLYESTER

### FEATURES

- Waterresistant 600D polyester
- Backpack and duffelbag in one
- Internal padded laptop compartment
- Internal tablet compartment
- 3 grab handles
- Cable pass through
- Hand luggage allowed
- 3 mesh pockets and 2 outside pockets
- Adjustable sternup strap
- Including carabiner for hanging

EX2626

Duffel travel bag, 45x30x30 CM

## ROLL TOP DUFFEL BAG

45 L

WATERRESISTANT 600D POLYESTER

NEW

ROLL TOP CLOSURE WITH VELCRO SEAL

MESH SIDE POCKETS

WATER PROOF

### FEATURES

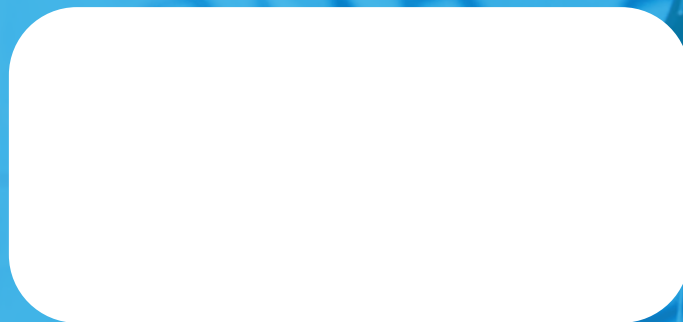
- Waterresistant 600D polyester
- Zip front pocket
- Nametag pocket
- External mesh pockets
- Velcro seal
- 2 grab handles
- Waterproof

EX2628

Roll top duffel bag, 62x30x30 CM



Ask for genuine **OPTIPARTS®** and **WINDESIGN®** at:



# WINDESIGN

Photo credits: Matias Capizzano

[WWW.OPTIPARTS.COM](http://WWW.OPTIPARTS.COM)

**WINDESIGN**  
**SAILING.COM**



Tel: +31-30-2414068  
Email: [mail@optiparts.com](mailto:mail@optiparts.com)