OPTIPARTS
MARINE EQUIPMENT

WINDESIGN

OPTIPARTS / WINDESIGN

CATALOGUE 2019

OPTIPARTS
MARINE EQUIPMENT

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 used at all major events worldwide.
The name Optiparts® is a registered trademark.

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Matias Capizzano, www.capizzano.com

WINDESIGN®

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.

#SailOptiparts

www.optiparts.com

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fun and experience with us!
Send your photos & videos and help us to innovate
our products and promote the Optimist dinghy class.
Where do you #SailOptiparts?

New 2019 products are displayed with:

NEW

Updated / Improved products are displayed with:

UP

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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 complete rigging pack.

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 Vectran outhaul, 3 mm pure Vectran 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.

SPRITS

EX959	BLACKLITE 26,6 mm sprit
EX960	BLACKGOLD 27 mm sprit
EX965	BLACKMAX 29 mm sprit

We offer a choice of three 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. The 29 mm BLACKMAX sprit is 19% stiffer than the 27 mm BLACKGOLD sprit and recommended for sailors above 45 kg.

EX940 EX945 EX955

EX13591

EX959 EX960 EX965 EX900 EX902

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 / 965 / 13951)
EX980	BLACKMAX set > 45 kg	(900 / 955 / 965 / 13951)

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

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.

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 headroom.

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

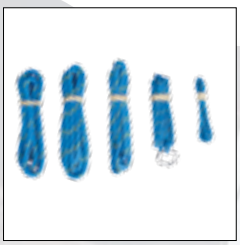
Ideal spar set for sailing schools! It has never been so easy to store your spars after use. This sleeve mast set is supplied with a fixed gooseneck. The boom can be used without a bridle to create more headroom. The set comes with mast, boom and EX1040 sprit. Perfect in combination with the EX1061 colored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

** Not allowed for racing*

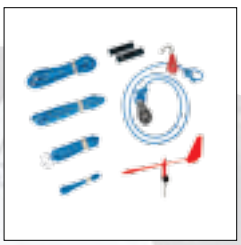
SILVER REGATTA SPARS

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

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 coated 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 600D 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.

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.

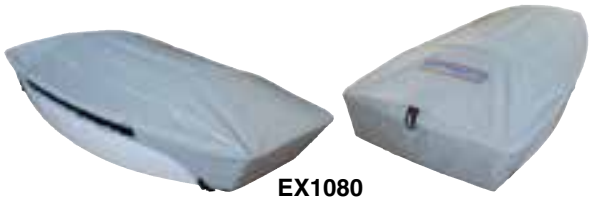
EX1091S	Bottom cover Economy

Affordable bottom cover made of 600D PU coated polyester. Quick and easy to install with a 6 mm shockcord in the skirt and 2 adjustable straps.
With 3 wide strips of thick foam padding to protect the hull. Not breathable, only for traveling. For outside storage use EX1091.

EX1095	Bottom cover fully padded

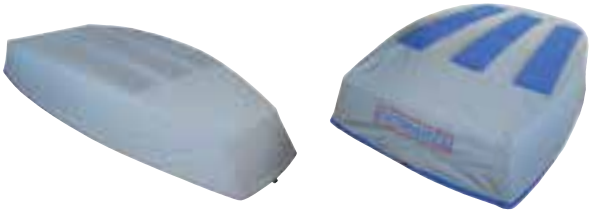
This bottom cover provides the best possible protection during travel.
Made of 420 PU outside, high quality 190T innerlining inside and closed cell foam in between (only for traveling).
For outside storage use EX1091.

** We advise to remove top covers during transport*



EX1080

EX1081 **EX1082**



EX1091S **EX1091**

EX1095

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

EX1446 ** Roof rack not included.*

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.

EX3048

EX3049

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. 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 seperate 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 between in the cockpit.

** Not allowed for racing*

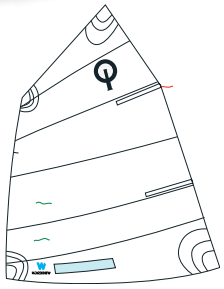
SAIL BAGS

EX1062	Sail bag

2 meter 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.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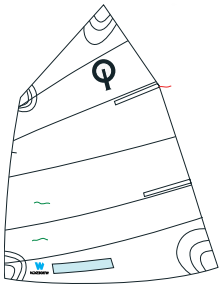
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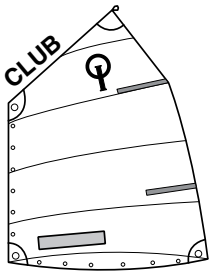
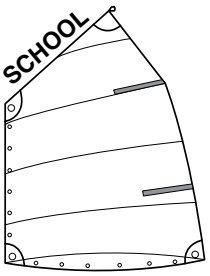
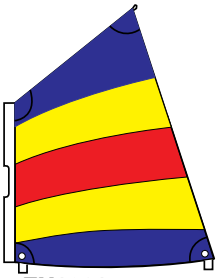
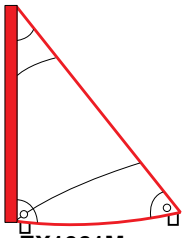


EX1059



EX1060


EX1061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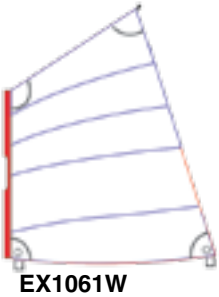
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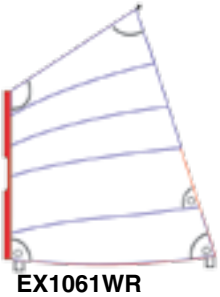
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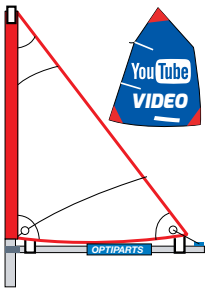


EX1064

EX1446

EX10121 EX10121S EX10122

EX1062

EX1063

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

EX1416

EX1417S

EX1417L

EX1419RD EX1419BL EX1419BK

EX1420BL EX1420RD EX1420BK EX1420G

EX1418

EX1430

EX1065

EX1066

EX1117 EX11171

EX1118

EX1116

TROLLEY / DOLLY

EX1075	Optiparts trolley / dolly with solid rubber wheels
EX1076	Optiparts trolley / dolly with large Optiflex-lite wheels

Lightweight aluminium trolley with solid hull supports and protective tube for the hull supports. Improved by using stainless steel axles instead of aluminium axles. 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 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.
The Optiparts trolley is supplied with 8 mm stainless steel push button wheel locks which are mounted inside the axle.
The EX1075 trolley is supplied with small solid rubber puncture proof wheels, 28 cm diameter, 10 cm wide. These solid wheels do not float and you will never have a flat tyre again.
The EX1076 trolley is supplied with the large Optiflex-lite puncture proof wheels. The Optiflex-lite wheels are the ultimate in wheel design.
They are ultra light, just 1750 grams, have a wide surface and large diameter for easy use on sand. Never have a flat tyre again.

EX1075B	Optiparts trolley / dolly with belt and solid rubber wheels
EX1076B	Optiparts trolley / dolly with belt and large Optiflex-lite wheels

Same design as our regular aluminium trolley, now available with belt.
Your Optimist slides easy from the belt when launching.

EX1077	Bow wow replacement kit
EX1078	Spare pneumatic wheel, 26 cm
EX10783	Bushing for large wheel, 25 mm
EX10784	Solid rubber puncture proof wheel, 28 cm

We have changed the wheel color from red to black.

EX10786	Optiflex-lite puncture proof wheel, 37 cm
EX10788	Bushing for large wheel, 20 mm
EX1079	Spare pneumatic wheel, 40.5 cm
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
EX10795	Push button wheel lock 5 mm*
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	Axle 25 mm with plastic plug

Improved by using stainless steel instead of aluminium

EX10798	Push button wheel lock stainless steel 8 mm*
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.

** The 5 mm push button wheel lock can be used on older aluminium axles.*
** The 8mm push bottom wheel lock can be used on the newer stainless steel axles.*

EX10796

EX1077

EX10790

EX10791

EX10792

EX10793

EX10783

EX10788

EX10795

EX10797

EX10798

EX1078

EX10784

EX1079

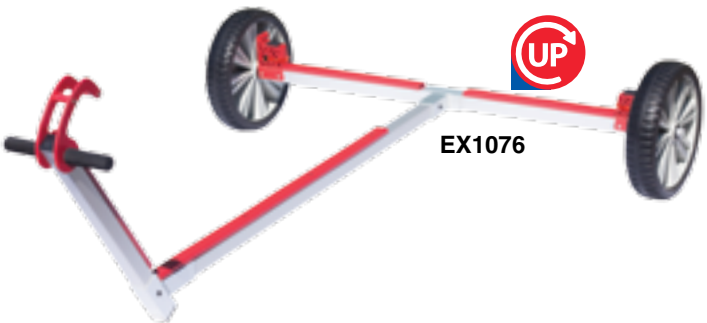
EX10786

EX10799R

EX10799P

EX1076B

EX1075



EX1076

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.

EX1202

EX1204 EX1206

EX12071

EX1207

EX12072

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.

EX1203

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.

EX1208

EX1209

EX12101 EX1211

EX1210

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
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

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 capsize there is less water in the boat.

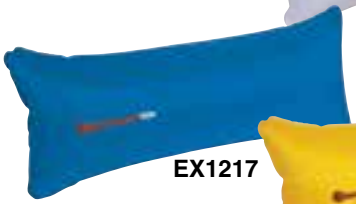
43 liter sizes: 27 x 88 cm inflated, 41 x 100 cm deflated
48 liter sizes: 29 x 92 cm inflated, 44 x 98 cm deflated

EX1215

EX1216

EX1212

EX1213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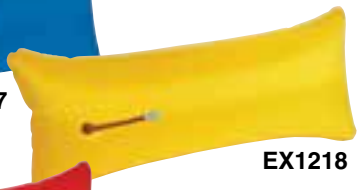

EX1218

EX1219

EX1222

PVC BUOYANCY BAGS

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.

EX1220

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	Transom gudgeons with backing plates
EX1170P	Transom fittings with 8mm pin
EX1180	Rudder retaining clip

The Optiparts rudder fittings are used on many top racing foils. Supplied with 6 mm pin according to I.O.D.A. class rules. These stainless steel rudder fittings are available as a set or separate. The set contains pintles, gudgeons, backing plates and a rudder retaining clip for blades up to 15 mm.
The clip fits around the blade and can be fastened with one bolt which will not split the blade.

EX1160S

EX1170

EX1160L

EX1155

EX1180

EX1170P

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	Deluxe tiller extension

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	Deluxe tiller extension with colored foam grip
EX1142	Standard tiller extension with golf grip

Silver anodized 60 cm aluminium with fixed joint / swivel.

EX1125

EX1130

EX1140

EX1141

EX1142

EX1120

EX1122

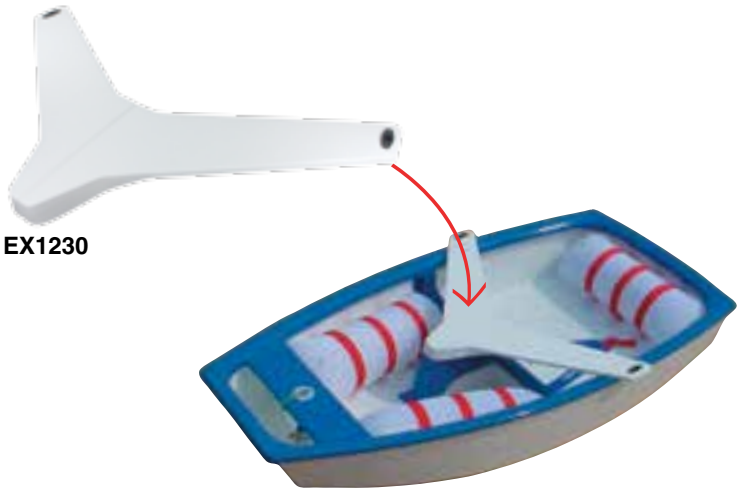
EX1232

EX1233

ROWING SEAT

EX1230	Polyester rowing seat
EX1232	Set of aluminium rowing oars
EX1233	Set of rowing locks

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.


EX1230

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.
Varnished three times. These are the most affordable foils available,
for school and recreation only.

EX11103

EX11053

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.

EX11100

EX11050

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**

All our racing foils are produced in high quality 3D designed aluminium molds. The design has been improved to create less drag and more stability. Straigtness and finish have been improved to the highest level.
Built according to the latest class rules. The daggerboards are fitted with durable teak wood battens.

**All rudderblades can be used with Optiparts tillers, extensions and rudderfittings.*
*** Tillers (with extension) have to be ordered separately.*

EX11105

EX11055

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 with 2 sizes of tubing, shockcord and 3 mm Vectran line to keep the shockcord in place.

EX11158	Foil protector set

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

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.

EX1113

EX11158

EX1119

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

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

** 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.

EX1333B

EX1333G

EX13371 EX13372 EX13373 EX1339 EX1337

EX1338

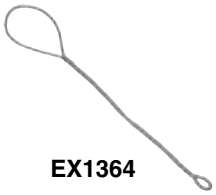
EX1338A

EX1355

EX1358R-20

EX1358G-20

EX1354


EX1364

EX1336

EX1275

EX1276

EX1280

EX1281

EX1282

EX1283

EX1284

EX1285

EX1255

EX1256

EX1257

EX1260

EX1270

EX1271

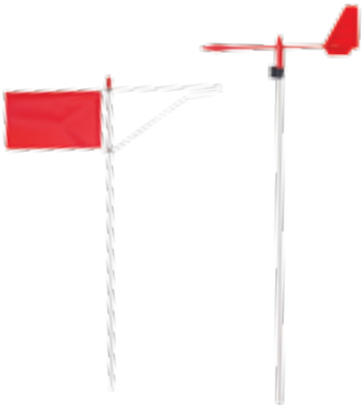
EX1272

EX1290

WIND INDICATORS

EX1240	Standard wind indicator
EX1240-10	Standard wind indicator. Set of 10
EX1243	Wind indicator Windesign PRO
EX1243-10	Wind indicator Windesign PRO. Set of 10
EX1245	Wind indicator clip for school masts

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 loosing the vane arm.



EX1240 EX1243 EX1245

BOOM ACCESSORIES

EX1360	3 mm Vectran 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*
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.

EX1360

EX1362

EX1371 EX1372 EX1373

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

EX1380 EX1381 EX1399

EX1402 EX1405B EX1405G

HIKING STRAPS, WEBBING AND MOUNTING PLATES

EX1450	Padded hiking straps
EX1450P	Pro padded hiking straps
EX1451	Non padded hiking straps

Get a better grip with our pro padded hiking straps. Same style as our EX1450 strap but with rubber underneath. Both padded straps are made of strong nylon webbing, covered with wear resistant cloth, filled with foam plate material which does not absorb water. Strong stitched through construction.

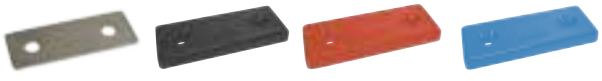
- Aft end a pressed ring and sewn flat to prevent twisting
- Loops for shockcord to pull up the front for easy access
- Front ends are open for mounting with plate or rope

EX1450 EX1450P

EX1451

EX1453-10	Stainless 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.



EX1453 EX14531 EX14532 EX14533

EX1464	Webbing roll, black. 50 meter
EX1466	Webbing roll, white. 50 meter

Polypropylene buoyancy bag webbing. 1.5 mm thick, 50 mm wide.

EX1464 EX1466

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
EX1313	Set of Harken carbo blocks (1 x EX1296 / 2 x EX1308)

Harken ball bearing carbo blocks are compact, ultra light and extremely strong. For mainsheets and control lines and can be used as becket block.

EX1314	Harken mainsheet extender

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

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

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.

EX1375	School Optimist mainsheet system

6 meter, 8 mm mainsheet, 3 shackles, 1 spring and 3 plain bearing blocks.
(2x 1301 / 1302 / 1304 / 2x 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 1301 / 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 / 1301 / 1304 / 1308 / 1314)

EX1375

EX1376

EX13761

EX1295

EX1296

EX1306

EX1299

EX1309

EX1308

EX1315

EX1316

EX1318

EX1320

EX12961

EX1314

EX1317

EX1325

EX1326

EX1327

EX1328

EX1319

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

BASEPLATES, SHACKLES AND SPRINGS

EX1301	4 mm plate shackle to mount blocks EX1318 and EX1320
EX1302	5 mm plate shackle to mount blocks EX1315 and EX1316
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

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 maintainance 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

EX1330

EX1331

EX1332

EX1334

EX1340

EX1342

EX1345

EX1351H

EX1349

EX1352

EX1348

EX1412

EX1414

EX1415

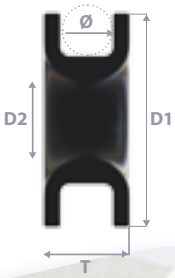
EX1301

EX1302

EX1410

EX1304

EX1305



EX3001 EX3002 EX3003

PRADDEL PADDLE / WHISTLE / SPONGE

EX1440	Praddel paddle

Single handed paddle. Can be used with one arm only while steering with the other arm. Weighs only 215 grams. High visibility orange for safety signaling and easier recovery.

EX1441	Pea-less plastic whistle with lanyard
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
EX1237	Hatch cover 100 mm. Cut out diameter: 108 mm
EX3060	Removable storage bag

Storage bag. Can be mounted under existing hatches with the supplied fixing screw. Allows you to store your valuables and drinks while afloat.

EX1441

EX1445

PDF MANUAL

EX1443

EX1235

EX1440

EX3060

EX1237

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

EX1442R

EX1442G

EX1444

EX1448

EX1449

AVAILABLE IN ORANGE AND GREY

LARGE BAILERS

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

BOOKS AND VIDEOS

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!

EX1437	The Optimist image book

Matias Capizzano, international sailing photographer, created an amazing 208 page hard cover photo book which illustrates the fantastic world of Optimist sailing. The perfect gift for dedicated sailors and their parents

EX1438	The secrets of Opti Coaching

Attila 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

EX1434

EX1435

EX1437

EX1438

EX1439

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.

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).

EX1436-1

EX1436

EX1475 EX1476 EX1477

EX1500

EX1472

EX1471

MINIREELS

EX1366	3 mm pure Vectran minireel 16 meter (52 ft)
EX13663	3 mm pure Dyneema SK78 minireel 16 meter (52 ft)
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
EX13661	Stainless steel splicing needle (fid) Perfect to splice 3 mm Vectran and Dyneema

EX13661

EX1366

EX13663

EX1367

EX13672

EX1368

EX1369

SHEETS, LINES AND PAINTER

EX1370	Pro Line Optimist upgrade package

High performance outhaul, downhaul and halyard system. A tapered Dyneema outhaul has a partly polyester core for extra thickness which creates grip in the cleat. 3 mm Dyneema downhaul with 6 mm Technora/Dyneema part. The spliced Cordura/Dyneema halyard comes with a low friction ring.

EX1374	6 mm floating painter 8.1 meter with UV treatment
EX1377	8 mm mainsheet 6 meter 16 plait polypropylene
EX1378D	8 mm softgrip mainsheet 6 meter

Dyneema / softgrip PP cover with PP core. Very flexible and excellent gripping characteristics.

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.

PDF MANUAL

EX1370

EX1374

EX1377

PDF MANUAL

EX1379P

EX1379

EX1378D

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)

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

EX7580 8 mm sheetline, 500m (1640ft)

500 meter pure Dyneema SK78 on reel
Available size: 3 mm
12 plait with Dyneema SK78
With PU treatment

EX7575 3 mm Dyneema, 500m (1640ft)

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 (1640ft)

2019 PERFORMANCE

MIRA SERIES

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

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.

MIRA COMFORT HARNESS

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.

HEADWEAR

NEOPRENE LONG JOHN & TOP

BUOYANCY AID (PFD)

RASH TOP, HIKING GEAR & GLOVES

FOOTWEAR

ACCESSORIES

3MM NEO-SKIN LONG JOHN

UNISEX

MIRA SERIES

NEO-SKIN

W-FLEX MIRA SERIES

FEATURES

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

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

MIRA SERIES

POLAR
NEO-SKIN
W-FLEX MIRA SERIES

FEATURES

- 2.5 mm Neo-Skin fabric
- Polar inner lining
- Soft smouth 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

CURVED AMARA GRIP PANEL

COMFORTABLE KNUCKLE PANEL

REINFORCED ON THUMB

UV 50+ PROTECTION

COMFORTABLE STRETCH FABRIC

EASY PULL ON STRAP

VELCRO SECURED WRIST

AMARA PALM PANEL

AMARA GRIP PANEL

QUICK DRY FABRIC

CURVED AMARA FINGER PANELS

MIRA SERIES

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

2 MM NEOPRENE SOCKS
UNISEX

MIRA SERIES

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

MIRA SERIES

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

MIRA SERIES

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

MIRA SERIES

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

MIRA SERIES

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	60-80	30-40	35
JM	80-85	30-40	35
JL	85-90	34-45	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

MIRA SERIES

UV50+ *SKIN*

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

MIRA SERIES

MIRA COMFORT HARNESS

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 (M,L,XL,XXL)**

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

LYCRA TANKTOP
UNISEX

PERFECT FOR TEAMS!

FEATURES
- Streamlined
- Highly flexible
- Lycra fabric

EX2530JW	**Junior Tanktop, White**	**EX2530JW-10**	**Set of 10**
EX2520JO	**Junior Tanktop, Orange**	**EX2520JO-10**	**Set of 10**
EX2530JB	**Junior Tanktop, Blue**	**EX2530JB-10**	**Set of 10**
EX2530JY	**Junior Tanktop, Yellow**	**EX2530JY-10**	**Set of 10**
EX2530W	**Adult Tanktop, White**	**EX2530W-10**	**Set of 10**

BREATHABLE SPRAYTOP
UNISEX

FEATURES
- Breathable
- Waterproof
- Waterproof taped seams
- Adjustable latex neck seals
- Adjustable latex wrist seals
- Adjustable neoprene waist belt
- Self-draining front pocket

EX2440J....	Red breathable spraytop junior (JS,JM,JL)
EX2440....	Blue breathable spraytop adult (S,M,L,XL)

JUNIOR SIZE	JS	JM	JL
CHEST CM	71-77	78-85	86-91
CHEST INCH	28-30	31-33	34-36

ADULT SIZE	S	M	L	XL
CHEST CM	89-95	96-103	104-111	112-117
CHEST INCH	35-37	38-40	41-43	44-45

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

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

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

WEBBING CAPLEASH
LENGTH 30 CM

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

EX2596	Webbing capleash

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

FLOATING SUNGLASSES STRAP
LENGTH 38 CM

FEATURES
- Floatable
- Comfortable
- Easy to attach

EX2597	Floating sunglasses strap

2 MM NEOPRENE BEANIE
UNISEX

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

EX2584	Neoprene beanie

FLOATING KEY CHAIN
85x40x15 MM

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

EX2588	Floating key chain. Min order 5 pcs

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

GEAR BAG
74 L

FEATURES
- Durable 600D polyester
- Two large wet / dry inner compartments
- Three outside pockets (mesh, standard and document)
- Adjustable shoulder strap
- Heavy duty zippers
- Nametag pocket

EX2570	Gear bag, 70x35x30 CM

HANDY DUFFEL BAG
34 L

FEATURES
- Durable 600D polyester upper
- PX10 bottom
- One large inner compartment
- Two zipper bags on both sides
- Nametag pocket
- Double carrying handle

EX2574	PX10 Duffel bag, 50x26x26 CM

DRY BACKPACK
40 L

FEATURES
- Waterresistant melange 600D polyester
- Three compartments with waterresistant zippers
- Internal accessory pockets

EX2620	Dry Backpack, 50x33x25 CM

PHONE/CAMERA BAG
20x10 CM

FEATURES
- Waterproof
- Touch flexible vinyl
- Three double secured

EX2578	Waterproof bag, inside: 9x17 CM

PX BRIEFCASE
40x30x5 CM

FEATURES
- PX10 sailcloth
- Four zipped compartments
- Internal accessory pockets

EX2572	PX10 Briefcase

TOOL/TOILET BAG
30x10x10 CM

FEATURES
- PX10 sailcloth
- Multi purpose bag
- Compact

EX2573	PX10 Tool/toilet bag

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

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.

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.

CARBON TILLER EXTENSIONS

652206	60 cm carbon tiller extension
652207	70 cm carbon tiller extension
652208	80 cm carbon tiller extension
652209	90 cm carbon tiller extension
652210	100 cm carbon tiller extension
652211	110 cm carbon tiller extension
652212	120 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.

DELUXE CARBON TILLER EXTENSIONS

652112	120 cm deluxe carbon tiller extension, 160 grams
652119	190 cm deluxe carbon tiller extension, 210 grams
652125	250 cm deluxe carbon tiller extension, 260 grams

The deluxe carbon tiller extension is made of an extra stiff and light 20 mm tube fitted with a releasable joint and is covered with a 100 cm hi-tech X-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
652964	20mm hi-tech shrinkable X-grip. 100 cm long

Simply 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.

FOILS FOR LASER®

EX2051	Gudgeon for Laser®
EX2052	Heavy duty 10 mm pivot bolt*
EX2053	Rudderhead for Laser®*

The rudderhead is silver anodized and can be used with the rudderblade and tillers below.

EX2054	Rudderblade for Laser®*
EX2055	Daggerboard for Laser®*

Wood core with fiberglass laminate and white gelcoat. These foils are not allowed for racing but are perfect for replacing the original foils which came with your boat.

EX2056	Rudder retaining clip
EX2057	Tiller retaining pin
EX2059	Foil protector set for daggerboard and rudder

Affordable, clear, hard plastic profiles which fit over the trailing edge of the Laser® daggerboard and rudderblade to protect them from any damage when in storage or transportation.

* *not allowed for use in official Class Association events*

EX2053

EX2052

EX2051

EX2056

EX2057

EX2054

EX2055

EX2059

TILLERS FOR LASER®

652112	120 cm 20 mm deluxe carbon tiller extension

Supplied with 100 cm x-grip

652850	Carbon 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.

652900	Deluxe tiller for Laser®
652910	Deluxe tiller for Laser® including extension 652310
652930	Standard tiller for Laser®

The well-known 32 mm aluminium tiller with Larry Marks end casting.
The tiller is available in a deluxe black anodized version and a standard silver anodized version. The deluxe version comes with anti-chafe plate and aluminium clamcleat.

652112

652850

652900

652910

652930

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

* *not allowed for use in official Class Association events*

EX2070

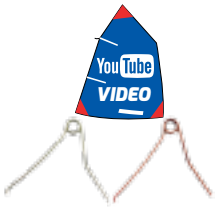
EX2074-10

EX2072

PADDED HIKING STRAP FOR LASER®

EX2000	Padded hiking strap
EX2002	Mounting plate
EX2004	Daggerboard friction plate

Extra wide padded hiking strap for comfortable hiking. Black webbing, 75 mm wide, partly covered with black wear resistant cloth. Filled with close-cell foam plate material. Does not absorb water.
Loop on the aft and open on the front. Width: 10 cm, length: 76 cm


EX2075

EX2076

EX2080

EX2081

EX2000

EX2002

EX2004

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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. A piece of hard material reduces friction between the webbing and the boom. 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.

EX2175	Clamcleat assembly for cunningham and outhaul*
EX2176	Cleat plate for cunningham and outhaul*
EX2178	Block plate for cunningham and outhaul*
EX2180	20 mm ball bearing block*
EX2183	Small composite cam cleat
EX2184	Farelead for small composite cam cleat*
EX2190	Power pack for Laser®*

Complete package with all necessary cleats, blocks and lines for cunningham and outhaul. The cleat- and blockplate can be easily fitted on the original mounting holes with the supplied screws. The combination of a 4 mm trimline and 3 mm Dyneema offers the best control and reduces friction on the 20 mm ball bearing blocks. Mast retainer included.

EX2195	Vang pack for Laser®*

Complete package with all necessary vang cleats, blocks and lines to create a 15:1 vang system. Supplied with swivel cleat and ball bearing blocks. The combination of a 4 mm trimline and 3 mm Dyneema offers the best control and reduces friction. Easy to assemble on the existing boom and mast fittings.

EX2197	Control line pack for Laser®

Complete package of control lines for outhaul, cunningham and vang, each consists of 4 mm trimline and 3 mm Dyneema. Outhaul shockcord included. Pre-cut at ideal lenghts for XD setup and to add a grab handle.

EX2198	Traveler line for Laser®

A 5.5 mm 12 plait rope with black Dyneema and Cordura, pre-cut at 3.5 meter. The combination of Dyneema and Cordura has extremely good wear resistance characterictics, 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.

** not allowed for use in official Class Association events*

EX2005

EX2007

EX2008

EX2010

EX2175

EX2176

EX2183

EX2184

EX2178

EX2180

EX2190

EX2195

NEW
EX2197

NEW
EX2199

NEW
EX2198

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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 (CL211 MK11)**
EX2137	**Hard anodized aluminium Clamcleat (CL211 MK11)**
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 outhaul 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 block**
EX2154	**Mainsheet block with becket**
EX2156	**Traveler block with sister hook**
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.

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 eyestrap kit**

This kit contains webbing and a rivet with washer to mount this soft eyestrap. Class rules let you replace the stainless steel lacing eyestrap 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*

EX2160

EX2120

EX2122

EX2124

EX2126

EX2128

EX2130

EX2132

EX2134

EX2136

EX2137

EX2138

EX2138A

EX2139

EX2140

EX2141

EX2142

EX2144

EX2146

EX2147

EX2148

EX2150

EX2152

EX2154

EX2156

EX2157

EX2164

EX2161

EX1299

EX2182

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TRAINING SAILS FOR LASER® AND LASER® PICO

EX2023	Training / School sail for 4.7 Laser®*
EX2025	Training / School sail for Radial Laser®*
EX2030	Training / School sail for Standard Laser®*

Training / School sail for the 4.7, Radial and Standard Laser®. These sails have 6 panels and heavy duty reinforcements in the corners. Including sailbattens and sailbag.

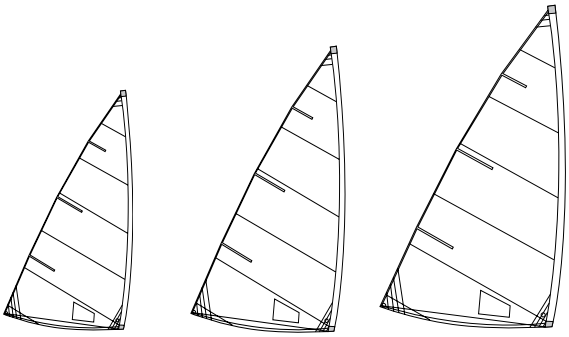
EX2031	Set of sail battens*

Sail battens for Laser® (2x60 cm, 1x40 cm)

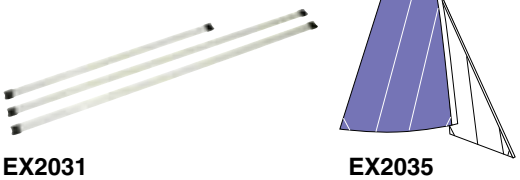
EX2035	Training / School sail for Laser® Pico. (Main + Jib)*

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

** not allowed for use in official Class Association events*



EX2023 EX2025 EX2030



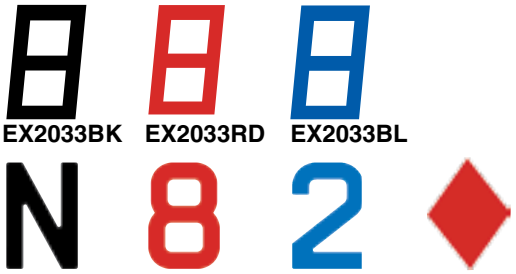
EX2031 EX2035

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



EX2033BK EX2033RD EX2033BL

EX2033BK.. EX2033RD.. EX2033BL.. EX1421

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 molding fits between the deck. The spars are fixed to the supports with shockcord. Boom, upper and bottom mast can be quickly and easily stored without damaging the deck during transport.

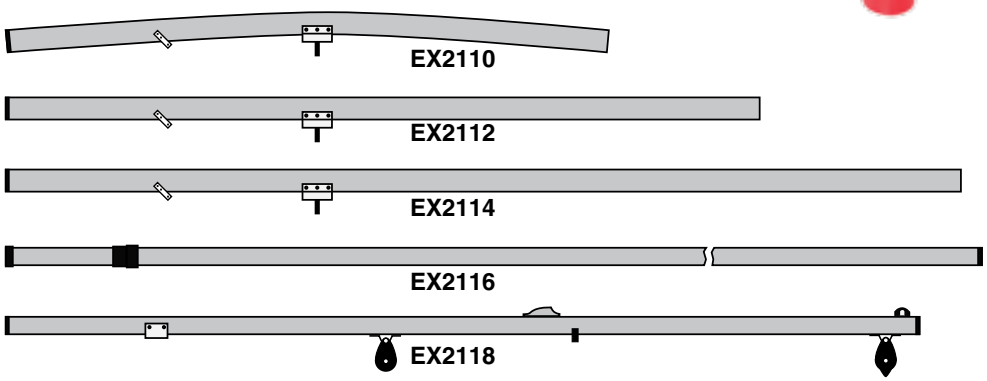
EX2065

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

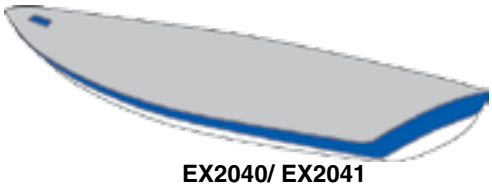
EX2118

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.

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 super strong 1680D PVC / 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. These covers are easy to install and have 3 straps with adjustable buckles. 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®

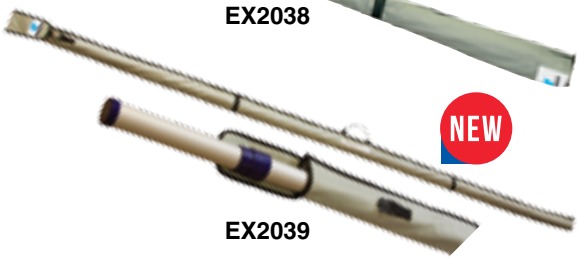
EX2038 Rig travel bag for Laser®

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.

EX2038

EX2039 Top mast bag for Laser®

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



EX2039

EX2050 Foil bag for Laser®, Europe, Splash etc

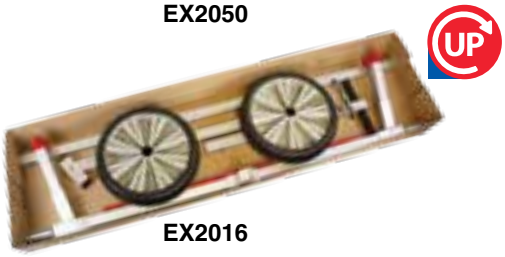
Heavily padded envelope style foil bag. Separate compartments for rudder, daggerboard, tiller and a large pocket for accessories. The rudder and daggerboard compartments have a velcro closure over the full length. With carrying handle and adjustable and detachable strap.

EX2050

TROLLEY FOR LASER®

EX2015 Trolley / dolly for Laser®

Trolley for a Laser® based upon the same proven quick release system as used on our Optimist trolley. Improved by using stainless steel axles instead of aluminium axles. Made of square aluminium tube with rounded corners. The frame has welded joints and is anodized to prevent corrosion. The bow locks into a horseshoe shaped padded support and the hull rests on two side supports which lock under the gunwale. This provides a stable support. Unlike other manufacturers we do not use a webbing sling which will increase the risk of osmosis. Weight including wheels 11.5 kg.
Spare parts are on the Optimist trolley page.



EX2016

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

Packed in a box for easy shipping. Box size: 160 x 40 x 15 cm.
Improved by using stainless steel axles instead of aluminium axles.

EX2015P Complete side support

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

EX2015

EX2015P

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ROOSTER MAINSHEET

EX2058Y	6 mm Rooster Laser® sheet, length 13.5 m (44 ft). Yellow
EX2058BL	7 mm Rooster Laser® sheet, length 13.5 m (44 ft). Blue
EX2058BK	7 mm Rooster Laser® sheet, length 13.5 m (44 ft). Black
EX2061Y	6 mm Rooster rope 200 m (656 ft) reel. Yellow
EX2060BL	7 mm Rooster rope 200 m (656 ft) reel. Blue
EX2060BK	7mm Rooster rope 200 m (656 ft) reel. Black

The hard wearing, load bearing outer cover prevents the rope from tangling. Polypropylene construction reduces weight and water absorption. 7 mm and 6 mm diameter ensures the rope runs easily through blocks.

EX2061Y EX2060BL EX2060BK

EX2058Y EX2058BL EX2058BK

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
EX1243-10	Wind indicator Windesign PRO. Set of 10
EX2021	Wind indicator MK2 Windesign PRO

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 loosing the vane arm.

EX2021

EX1243

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.

EX3033

EX3030

COVERS FOR 420

EX2046	**420 top cover**

A heavy duty, long lasting 1680D polyester / PVC cover. 100% water resistant. 4 straps with quick clip adjustable buckles go underneath the hull and hold the cover tight.

EX2048	**420 bottom cover**

A strong, flexible, 600D polyester PU coated cover.

EX3025	**Padded 420 mast cover**
EX3026	**Padded 420 boom cover**
EX3027	**Padded 420 rudder cover**
EX3028	**Padded 420 daggerboard cover**

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

EX3035	**420 Jib**
EX3036	**420 Mainsail**
EX3037	**420 Spinnaker**
EX3038	**420 Mainsail + Jib (set)**

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.

EX3040	**Untapered 420 spinnaker pole with Seldén pole ends**
EX3042	**Tapered 420 spinnaker pole with Seldén pole ends**

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

EX3043	**25 mm spinnaker pole end**
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

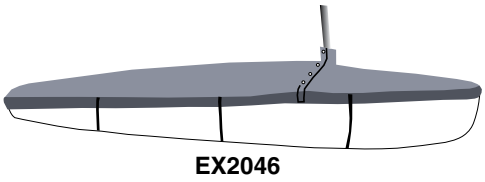
EX3045	**Two part trapeze handle**

This handle can be assembled around existing trapeze wires.

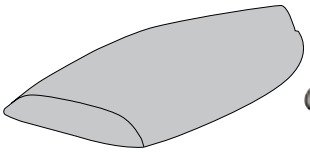
EX3046	**420 rudderblade**
EX3047	**420 centerboard**

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

EX3055	**Clamcleat CL253 Trapeze and Vang cleat for 4-8 mm lines**



EX2046



EX2048

EX3028

EX3025

EX3027

EX3026

EX3036

EX3035 EX3037

EX3044

EX3040

EX3042

EX3043

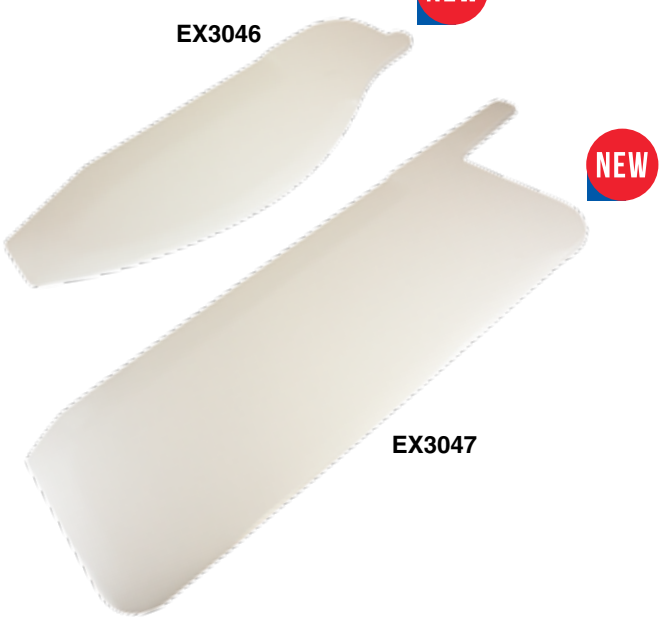
EX3055

EX3045

NEW

EX3046

NEW



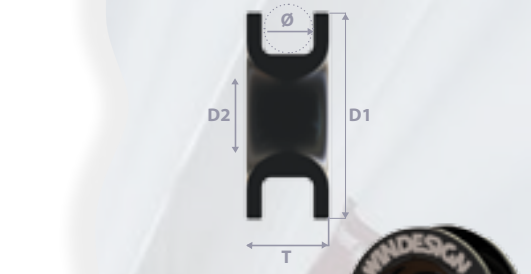
EX3047

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 maintainance 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



EX3001 EX3002 EX3003

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.

EX3005

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

EX3008

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

EX3010 EX3012

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.

EX1447S EX1447

EX4200	Buoyancy bag

Specially designed for Moth, but can be used for serveral 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

EX4200

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.

EX2600

COACH GEAR

EX2650	**Magnetic protest boat kit**

Magnetic boat set. Ideal for accurately depicting races, enforcing and teaching the racing rules, as well as for protests. For sailing clubs, committees, sailors and coaches. This pack comes in a handy zip lock plastic bag, small enough to carry around everywhere, and contains twelve boats in various colors, one wind arrow, one tide arrow and four racing marks.

EX2650

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 grab handle where you can easily fasten the mooring line. We made a buoy that can be easily used as training mark, by coaches or sailing schools, or as regatta mark during races.

EX2655

EX2655B

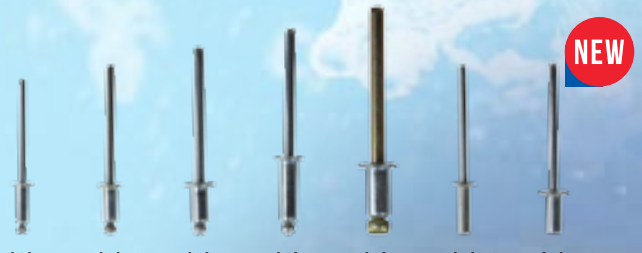
EX2660	**Pyramid racing mark 140 x 140 x 120 CM**

Inflatable pyramid racing mark which can be used to mark races and regattas. 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.

EX2660

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

Monel rivets with mandrel made of galvanized steel. Monel blind rivets are particularly suitable for applications in steel and aluminium materials, since the small potential difference results in a good resistance to galvanic corrosion (better than stainless 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.



(1) (2) (3) (4) (5) (6) (7)

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