

Class Rules

International M32 Class Association



The M32 was designed in 2011 by Göran Marström and Kåre Ljung and was adopted as a World Sailing class in 2016

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INTRODUCTION

This introduction only provides a background and the M32 Class Rules proper begin on the next page.

M32 is a manufacturer one-design class. Equipment is built in accordance with the WORLD SAILING approved M32 building specifications and subject to WORLD SAILING approved manufacturing control. These parts having left the manufacturer may only be altered to the extent permitted in Section C of these class rules.

Owners and crews should be aware that compliance with rules in Section C is the responsibility of the competitor.

PLEASE REMEMBER:

THESE RULES ARE **CLOSED CLASS RULES** WHERE IT DOES NOT SPECIFICALLY SAY THAT YOU MAY – THEN YOU SHALL NOT.

The M32 is a strict One Design Class Association, M32 encourages close racing in high performance catamarans where the main focus of competition relies on the sailors' skill. Any attempt to gain advantage through equipment or its use will be pursued and corrected.

PART I – ADMINISTRATION

Section A – General

A.1 LANGUAGE

- A.1.1 The official language of these **class rules** is English and in case of dispute over translation the English text shall prevail. The meaning of any word shall be by reference to the Oxford English Dictionary.
- A.1.2 The word “shall” is mandatory and the word “may” is permissive.
- A.1.3 Except where used in headings, when a term is printed in “**bold**” the definition in the ERS applies and when a term is printed in “*italics*” the definition in the RRS applies.

A.2 ABBREVIATIONS

- A.2.1 WS World Sailing
M32ICA International M32 Class Association
ERS Equipment Rules of Sailing
RRS Racing Rules of Sailing
CH Copyright Holder
NOR Notice of Race for an event

A.3 AUTHORITIES

- A.3.1 The **class authority** is the M32ICA.
- A.3.2 The **class rules authority** is World Sailing.
- A.3.3 The CH is Aston Harald Composites.
- A.3.4 Notwithstanding anything contained herein, the **certification authority** has the authority to withdraw a **certification mark** and shall do so on the request of the **class rules authority**.

A.4 ADMINISTRATION OF THE CLASS

- A.4.1 World Sailing has delegated the administrative functions to the **class authority**.

A.5 CLASS RULES AMENDMENTS

- A.5.1 Amendments to the **class rules** shall only be made by the **class authority** in agreement with the CH and are subject to the approval of the **class rules authority**.

A.6 CLASS RULES INTERPRETATION

- A.6.1 **Class rule** interpretations shall only be made by the **class authority** in agreement with the CH and are subject to the approval of the **class rules authority**. Only the CH or the M32ICA members may initiate an interpretation.

A.7 M32 BUILDING SPECIFICATIONS

- A.7.1 The M32 building specifications, and any amendments to these, shall be approved by the **class rules authority** in consultation with the **class authority** and the CH.

A.8 INTERNATIONAL CLASS FEE AND WORLD SAILING BUILDING PLAQUE

- A.8.1 The CH shall pay the International Class Fee.
- A.8.2 World Sailing shall, after having received the International Class Fee for the **hull**, send the World Sailing Building Plaque to the CH.

A.9 HULL NUMBERS

- A.9.1 **Hull** numbers shall be issued by the CH.
- A.9.2 **Hull** numbers shall be issued in consecutive order.
- A.9.3 The sail number shall be the **hull** number with national letters in accordance with RRS Appendix G.

A.10 CERTIFICATION

- A.10.1 **Hulls**, structure connecting the **hulls**, **hull appendages**, **rig** and **sails** are manufacture controlled. Such parts shall have an Official M32 Class Sticker which are the class **certification marks**.
- A.10.2 After having carried out **certification control** the licensed builder shall attach an Official M32 Class Sticker to the parts indicated in Appendix X.
- A.10.3 When a component has lost the **certification mark** its owner shall apply for a new **certification mark**. The new **certification mark** shall be attached after having carried out **certification control**.
- A.10.4 **Certificates** are not issued.

A.11 RETENTION OF CERTIFICATION DOCUMENTATION

- A.11.1 The CH shall:
- (a) retain the original documentation upon which the current **certification marks** are based.
 - (b) upon request, transfer this documentation to the new **certification authority**.

Section B – Boat Eligibility

For a **boat** to be eligible for *racing*, it shall comply with the rules in this section.

B.1 CLASS RULES AND CERTIFICATION

- B.1.1 The **boat** shall:
- (a) be in compliance with the **class rules**.
 - (b) have valid **certification marks**.

PART II – REQUIREMENTS AND LIMITATIONS

The **crew** and the **boat** shall comply with the rules in Part II when *racing*. In case of conflict Section C shall prevail.

The rules in Part II are **closed class rules**. **Equipment inspection** shall be carried out in accordance with the ERS except where varied in this Part.

Section C – Conditions for Racing

C.1 GENERAL

C.1.1 RULES

- (a) RRS Appendix G1.3 (c) shall not apply. Event specific NOR may remove Appendix G requirements and include other means of identification.
- (b) The ERS shall apply.

C.2 CREW

C.2.1 LIMITATIONS

- (a) There shall be a maximum of 3 **crew** members on the racks at the same time.
- (b) Maximum **crew** weight in shorts shall be 437.5 kg.
- (c) Addition or removal of **crew** members during an event is prohibited.
- (d) The helm shall be allocated a weight of 87,5kg if they choose to not weigh in. They may choose to weigh in.
- (e) Crew weight will only be checked once before each event on a date specified in the NOR, but at least one day prior to the first race. These requirements may be amended by a Notice of Race.

C.3 PERSONAL EQUIPMENT

C.3.1 MANDATORY

- (a) All **crew** shall wear a **personal floatation device** for each **crew** member to the minimum standard ISO 12402-5 (CE 50 Newtons), or USCG Type III, or AUS PFD 1, or EN 393.
- (b) All **crew** shall carry a knife that is capable of being deployed using one hand.
- (c) The NOR for an event may specify additional mandated **personal equipment**.

C.4 PORTABLE EQUIPMENT

C.4.1 MANDATORY

(a) FOR USE

- 1) VHF Radio Transceiver.

(b) NOT FOR USE

- 1) Towing rope nominal 20m long, 8mm diameter.
- 2) Capsize line nominal 5m long, 8mm diameter.
- 3) 2 paddles of minimum 1.400m long and blade area 0.07m².

C.4.2 OPTIONAL

- (a) Electronic or mechanical timing devices.
- (b) One magnetic or electronic compass.
- (c) GPS.
- (d) Mooring lines.
- (e) Wind Indicators.
- (f) 4 re-boarding loop straps on each beam end, which include an 80mm strap and the shock cord to retract them inside the beam.
- (g) Camera equipment, race tracking equipment which are not otherwise prohibited by the Notice of Race or Sailing Instructions.
- (h) Attachments and fittings for all items in C 4.2 provided their fixing does not change the structural properties of the boat.

C.5 BOAT

C.5.1 LICENSED BUILDER & BUILDING SPECIFICATION

- (a) M32 **hulls**, structure connecting the **hulls**, **hull appendages**, **rig** and **sails** shall be produced in accordance with the M32 building specifications by a licensed builder authorised by the CH and World Sailing.
- (b) All parts listed in Appendix X are mandatory except when stated otherwise in these **class rules**.
 - 1) Exceptions:
 - i. Only one mast type and associated parts can be entered to a regatta.

C.6 HULL

- C.6.1 Inspection hatches shall be kept in place and shut.

C.7 HULL APPENDAGES

C.7.1 Rudder

- (a) The rudder blades shall be in their fully lowered position.

C.7.2 **Daggerboard**

- (a) **Daggerboards** shall remain inside daggerboard case while *racing*.

C.8 **RIG**

C.8.1 **Running rigging**

- (a) Running rigging shall remain lead while *racing*.
(b) Whinches may only be used for:
- 1) **Mainsail** halyard;
 - 2) **Mainsail** Cunningham 2:1 purchase; and
 - 3) Gennaker sheet.

C.9 **SAILS**

C.9.1 **LIMITATIONS**

- (a) Not more than 1 **mainsail** and 1 gennaker shall be carried aboard.

C.9.2 **MAINSAIL**

- (a) **USE**
- 1) The **mainsail** shall be locked at one of the 3 halyard lock positions.
 - 2) The hoisted section of the **mainsail** luff bolt rope shall be in the spar groove.

C.9.3 **GENNAKER**

- (a) **USE**
- 1) The gennaker **clew** shall be sheeted outside the shrouds to its fixed position.
 - 2) The gennaker shall not be used while the **mainsail** is set at the lowest halyard lock position.
 - 3) Except when tacking or gybing it shall be completely unfurled if deployed.
 - 4) The gennaker shall not be set on a leg to a windward mark or gate when there are any crew on the windward rack.

C.10 **MODIFICATIONS, MAINTENANCE AND REPAIR**

All components of an M32 shall not be altered in any way except as permitted by the following actions and listed in Appendix X:

- (a) **REPLACEMENT**: Any part listed in Appendix X may be substituted by the same part in accordance with the building specification and the Specification column. The part shall have the **certification mark** when required.
- (b) **REPAIR**: Repairs shall only be made to reestablish the component to its original condition. If in doubt as to whether the physical properties of the part have been altered substantially, an owner may seek the **class authority** or CH guidance.
- (c) **PAINTING AND POLISHING**: Painting or polishing in accordance with RRS 53 "Skin Friction" rule is permitted. This action shall not change the original shape of the delivered part.

- (d) **OTHER ACTIONS:** Any other actions shall be made only under written approval of the **class authority**. Such actions shall be included in Appendix X.
- (e) **GRAPHICS:** The application of paint, vinyl, mylar or other plastic film over the surface of the **boat** is permitted.

C.11 EVENT LIMITATIONS

Event limitations shall apply as indicated in Appendix X Event Limitation column, except when lost or damaged beyond repair and approved by the Race Committee.

Section D – Hull

D.1 GENERAL

D.1.1 LICENSED BUILDER & BUILDING SPECIFICATION

- (a) M32 **hulls** and structure connecting the **hulls** shall be produced in accordance with the M32 building specifications by a licensed builder authorised by the CH and World Sailing.

Section E – Hull Appendages

E.1 GENERAL

E.1.1 LICENSED BUILDER & BUILDING SPECIFICATION

- (a) M32 **hull appendages** shall be produced in accordance with the M32 building specifications by a licensed builder authorised by the CH and World Sailing.

Section F – Rig

F.1 GENERAL

F.1.1 LICENSED BUILDER & BUILDING SPECIFICATION

- (a) M32 **rig** shall be produced in accordance with the M32 building specifications by a licensed builder authorised by the CH and World Sailing.

Section G – Sails

G.1 GENERAL

G.1.1 LICENSED BUILDER & BUILDING SPECIFICATION

- (a) M32 **sails** shall be produced in accordance with the M32 building specifications by a licensed builder authorised by the CH and World Sailing.

G.1.2 PARTS

- (a) **Mainsail**
- (b) Gennaker

G.1.3 MAINSAIL

- (a) Shall include Class Insignia 1.8m wide at 3-3.5m from the top of the **mainsail**.
- (b) **Battens** may only be placed in batten pockets.
- (c) Only one **batten** can be placed in each batten pocket.

G.1.4 GENNAKER

- (a) Position of the hoisting point shall not be altered.
- (b) Position of the tack line shall not to be altered.

PART III – APPENDICES

The rules in Part III are **closed class rules**. Measurement shall be carried out in accordance with the ERS except where varied in this Part.

Section H

Please see below M32 Class Rules Appendix X

QUANTITY	PART	SPECIFICATION	SUPPLIER	CERTIFICATION	EVENT LIMITA- TIONS	USE	REPAIR	PAINTING OR POLISHING	OTHER
Hulls									
1	Port hull	Build specification	CH (Aston Harald Composite)	M32 STICKER at transom	1 per event		✓	✓	It is permitted to glue 4 eyes inside cockpit to hold spares and consumables It is permitted to add elastic cord and attachment points with a maximum diameter of 10 mm to hold the daggerboard in position It is permitted to add non-skid foam or tape of 6 mm maximum thickness on the surface of the hulls and cross beam It is permitted to add hand holds or footholds, including lines, to improve driver stability with a dimension of less than 10x10x50cm
1	Starboard hull	Build specification	CH (Aston Harald Composite)	WORLD SAILING Plaque, M32 STICKER at transom	1 per event		✓	✓	It is permitted to glue 4 eyes inside cockpit to hold spares and consumables It is permitted to add elastic cord and attachment points with a maximum diameter of 10 mm to hold the daggerboard in position It is permitted to add non-skid foam or tape of 6 mm maximum thickness on the surface of the hulls and cross beam It is permitted to add hand holds or footholds, including lines, to improve driver stability with a dimension of less than 10x10x50cm
2	Winches	Harken 35 Plain-Top Performa Part No: 35.2 PTP and any spare parts supplied by winch manufacturer	Open			(1) arranged as supplied by a licensed builder			
2	Winch handles	Standard racing winch handle	Open						
4	Inspection hatch	Build specification - AHC Part No: 323547	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
4	Trampoline attachment fittings	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			It is permitted to fit the updated supplied dyneema loops replacing the stainless rings.
Main beam									
1	Main beam	Build specification	CH (Aston Harald Composite)	M32 STICKER on starboard aft face	1 per event		✓	✓	
1	Mast step	Build specification - AHC Part No: 323896	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Mast step washer	Build specification - AHC Part No: 323205	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
4	Beam Bolt	Build specification - AHC Part No: 323541	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Mainsail sheet block	Harken 75mm Carbo Ratchamatic Part No:H2680 or H2175 or H2177	Open			(1) arranged as supplied by a licensed builder			
1	Lashing for mainsail sheet block	OD:5mm Length: 500mm Material: Dyneema	Open			(1) arranged as supplied by a licensed builder (2) shall remain fixed while <i>racing</i>			

QUANTITY	PART	SPECIFICATION	SUPPLIER	CERTIFICATION	EVENT LIMITA- TIONS	USE	REPAIR	PAINTING OR POLISHING	OTHER
1	Bowsprit bracket	Build specification - AHC Part No: 323215	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder	✓		
2	Lash eye for rack net	OD:5mm Length: 130mm Material: Dyneema	Open			(1) arranged as supplied by a licensed builder			
1	Clutch bracket	Build specification - AHC Part No: 323214	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder	✓		
1	Clutch for tackline	Spinlock single XTR Powerclutch Part No: XTR0812 or Spinlock XTS Powerclutch Part No: XTS0610/CER - AHC Part No: 324210	Open			(1) arranged as supplied by a licensed builder			
Aft beam									
1	Aft beam	Build specification	CH (Aston Harald Composite)	M32 STICKER on starboard aft face	1 per event		✓	✓	It is permitted to add footrest to bridge the gap between beam and traveller track on both sides with a dimension of less than 25x12x12cm.
1	Traveller track	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
4	Beam Bolt	Build specification - AHC Part No: 323541	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
4	Traveller track bolt	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Traveller adjustment including moving parts	Build specification - AHC Part No: 323542 (includes Cam Cleat and base plate)	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Cam Cleat	Harken cam cleat or Spinlock cam cleat Part No: PXR0810	Open			(1) arranged as supplied by a licensed builder			
1	Traveller Cam Cleat base plate	Maximum dimensions 140 x 95 mm. The only permitted material is 5mm solid carbon plate.	Open			(1) arranged as supplied by a licensed builder			
1	Traveller track car including moving parts		CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Mainsail sheet block	Harken 75mm Spriddleblock - Harken Part No: H3241	Open			(1) arranged as supplied by a licensed builder			
1	Traveller line	OD:8mm Length: 20m Material: Dyneema 7mm core + cover	Open			(1) Arranged as supplied by a licensed builder			
2	Gennaker Plate SB/P	Build specification - AHC Part No: 324004/324007	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder	✓		
2	Gennaker block	Harken Black Magic 57mm Part No: H3214 or TyeTec Highload 3500daN Loopblock - AHC Part No: 324175	Open			(1) arranged as supplied by a licensed builder			
2	Dyneema loops for gennaker block	OD:4mm Material: Dynema 80mm max from loading point on aft beam to block	Open			(1) arranged as supplied by a licensed builder (2) shall remain fixed while racing			
Mast									
1	Mast Lower	Build specification	CH (Aston Harald Composite)	M32 STICKER at bottom forward	1 per event	(1) arranged as supplied by a licensed builder	✓	✓	Lower and Upper parts built before and after 1 Aug 2018 can not be paired together
1	Mast Upper	Build specification	CH (Aston Harald Composite)	M32 STICKER at bottom forward	1 per event	(1) arranged as supplied by a licensed builder	✓	✓	Lower and Upper parts built before and after 1 Aug 2018 can not be paired together
1	Mast Foot	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder	✓	✓	

QUANTITY	PART	SPECIFICATION	SUPPLIER	CERTIFICATION	EVENT LIMITA- TIONS	USE	REPAIR	PAINTING OR POLISHING	OTHER
1	Rotation block / Low friction ring	Harken double air block 16mm Part No:H406 or TyeTec Ring Part No:NMP261010 - AHC Part No: 324223	Open			(1) arranged as supplied by a licensed builder			
1	Rotation arm	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder	✓		
1	Rotation arm bolt	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Rotation arm control line	Minimum 5mm. Length as required. Material dyneema core+cover.	Open			(1) arranged as supplied by a licensed builder			
1	Halyard lock including moving parts	Build specification - AHC Part No: 323615	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Winch	Harken Self-Tailing Radial Winch Part No:20STA (Max power ratio 36) - AHC Part No: 323356	Open			(1) arranged as supplied by a licensed builder			
1	Pin Gooseneck	Build specification - AHC Part No: 323433	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Gooseneck bolt	Build specification	Open			(1) arranged as supplied by a licensed builder			
1	Carbon toggle fitting	Build specification - AHC Part No: 323451	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Gennaker Halyard Lock Loop	OD=5mm Material: Dynema Length: as required (delivered from AHS at length: 300mm)	Open			(1) arranged as supplied by a licensed builder			Can only be used on mast built after 1 Aug 2018
1	Gennaker Mast Lock	KHF Karver mast lock Part No: PF550020KFH1 - AHC Part No: 324987 or K2Z head swivel lock Part No: K2Z-HSL-N200	Open			(1) arranged as supplied by a licensed builder			Can only be used on mast built after 1 Aug 2018
1	Gennaker halyard through blocks	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Mainsail halyard sheave pin	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Sheave Mainsail halyard	Build specification - AHC Part No: 323429	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Sheave Gennaker halyard	Build specification - AHC Part No: 323426	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Mainsail halyard block	Harken 57mm T2 Part No: H2152 or H2160 or Harken Black Magic 57mm Part No: H3414	Open			(1) arranged as supplied by a licensed builder			
1	Cunningham block / Low friction ring	Harken 57mm T2 Part No: H2152 or H2160 or TyeTec Ring Part No:NMP471818 - AHC Part No: 324235	Open			(1) arranged as supplied by a licensed builder			
1	Gennaker halyard block	Harken 57mm T2 Part No: H2152 or H2160	Open			(1) arranged as supplied by a licensed builder			
3	Dyneema loops for mainmast foot blocks	OD: 5mm Length: 2m Material: Dyneema	Open			(1) arranged as supplied by a licensed builder			
1	Cunningham 2:1 purchase	OD: 8mm Length: As required Material: Dyneema 7mm core + cover	Open						
2	Spreaders	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder	✓	✓	
2	Diamond Stay	Build specification - AHC Part No: 327500	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			Can only be used on mast built after 1 Aug 2018
2	Diamond stay lower	Build specification - AHC Part No: 323611	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			Can only be used on mast built before 1 Aug 201
2	Diamond stay upper	Build specification - AHC Part No: 323609	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			Can only be used on mast built before 1 Aug 201
2	Rig bolt diamond upper	Build specification	Open			(1) arranged as supplied by a licensed builder			
2	Rig bolt diamond lower	Build specification	Open			(1) arranged as supplied by a licensed builder			

QUANTITY	PART	SPECIFICATION	SUPPLIER	CERTIFICATION	EVENT LIMITA- TIONS	USE	REPAIR	PAINTING OR POLISHING	OTHER
2	Rig bolt spreader tip	Build specification	Open			(1) arranged as supplied by a licensed builder			
2	Spreader adjustment screw	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
2	Delrin spreader end fitting	Build specification - AHC Part No: 323436-X-02	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			Can only be used on mast built after 1 Aug 2018
2	Delrin spreader end fitting	Build specification - AHC Part No: 323436	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			Can only be used on mast built before 1 Aug 201
1	Hanger Diamond Tensioner	Build specification - AHC Part No: 324075	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	UNF Diamond Tensioner	Build specification - AHC Part No: 324076	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Washer Diamond Tensioner	Build specification - AHC Part No: 324077	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Nut Diamond Tensioner	Build specification - AHC Part No: 324078	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	T-tang terminal	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Mainsail halyard	OD: 8mm Length: As required Material: Dyneema 7mm core + cover	Open						
1	Gennaker Halyard	OD: max. 5mm on 16,70m taper. Length and Diameter: As required. (AHC deliver Teufelberger Admiral 5000) Shall be one continuous line	Open						Can only be used on mast built after 1 Aug 2018
1	Gennaker Halyard	OD: max. 10mm Length: As required Material: Dyneema max. 9mm core. Shall be one continuous line.	Open						Can only be used on mast built before 1 Aug 201
1	T-tang for rigging	Build specification - AHC Part No: 323600	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
2	Forestays	OD: 8mm Length: 14,25m Material: Teufelberger sts5000 - AHC Part No: 325099 (Includes forestays & shrouds)	Open			(1) shall be spliced to T-tang and friction ring			Can only be used on mast built after 1 Aug 2018. Chafe protection where needed is allowed but shall not decrease line diameter. The use of elastic cord with a maximum of 6mm diameter is allowed to reduce slack in the forestay by attaching it between the low friction ring and the pad eye of the hull
2	Shrouds	OD: 8mm Length: 14,25m Material: Teufelberger sts5000 - AHC Part No: 325099 (Includes forestays & shrouds)	Open			(1) shall be spliced to T-tang and friction ring			Can only be used on mast built after 1 Aug 2018. Chafe protection where needed is allowed but shall not decrease line diameter. The use of elastic cord with a maximum of 6mm diameter is allowed to bridge the gap between the low friction ring on the shrouds and the rack netting
2	Forestays	OD: 8mm Length: 13,4m Material: Teufelberger sts5000 - AHC Part No: 323599 (Includes forestays & shrouds)	Open			(1) shall be spliced to T-tang and friction ring			Can Only be used on masts built before 1 Aug 2018. Chafe protection where needed is allowed but shall not decrease line diameter. The use of elastic cord with a maximum of 6mm diameter is allowed to reduce slack in the forestay by attaching it between the low

QUANTITY	PART	SPECIFICATION	SUPPLIER	CERTIFICATION	EVENT LIMITA- TIONS	USE	REPAIR	PAINTING OR POLISHING	OTHER
2	Shrouds	OD: 8mm Length: 13,4m Material: Teufelberger sts5000 - AHC Part No: 323599 (Includes forestays & shrouds)	Open			(1) shall be spliced to T-tang and friction ring			Can Only be used on masts built before 1 Aug 2018. Chafe protection where needed is allowed but shall not decrease line diameter. The use of elastic cord with a maximum of 6mm diameter is allowed to bridge the gap between the low friction ring on the shrouds and the rack netting
4	Low friction rings for forestays and shrouds	Harken Part No:H3272 - AHC Part No: 323360 or Kingspoke KZ32 or ring similar in shape and dimensions.	Open			(1) arranged as supplied by a licensed builder			
4	Lashing for forestays and shrouds	OD: 5mm Length: as required. Material: Dyneema	Open			(1) Lashing shall have a minimum of 5 loops			A lead ring, maximum 20mm, may be used to lead shroud lashings to winch
Racks									
1	Starboard rack	Build specification	CH (Aston Harald Composite)	M32 STICKER at aft end connection	1 per event	(1) arranged as supplied by a licensed builder	✓		The use of elastic cord with a maximum of 6mm diameter is allowed tobridge the gap between the end of the traveller beam and the rack netting
1	Port rack	Build specification	CH (Aston Harald Composite)	M32 STICKER at aft end connection	1 per event	(1) arranged as supplied by a licensed builder	✓		The use of elastic cord with a maximum of 6mm diameter is allowed tobridge the gap between the end of the traveller beam and the rack netting
2	Rack net	Build specification - AHC Part No: 323507	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder	✓		It is permitted to move the lower rack net attachment to the rack bracket
2	Footstraps	Build specification	Open						
10	Lashing	OD:2.5-3mm Length: As required Material: Dyneema	Open						
4	Rack bolt	M12 x 100 Material: A4 80	Open			(1) arranged as supplied by a licensed builder			
Boom									
1	Main boom tube	Build specification	CH (Aston Harald Composite)	M32 STICKER at forward end	1 per event	(1) arranged as supplied by a licensed builder	✓	✓	It is permitted to add a mainsheet holder to the sides/bottom of the boom It is permitted to fit a string gauge to provide main sheeting and rotator reference, however it shall remain external to the boom tube without additional holes being drilled
1	Boom slide	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Rotation adjustment	Build specification - AHC Part No: 323572	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			It is permitted to fit the updated mast rotation fitting.
1	Swiveling Mast Rotation Fitting	Build specification - AHC Part No: 324752	ch (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Mainsail sheet block inside boom	Harken 57mm carbo airblock triple with swivel & becket Part No:H2605 - AHC Part No: 323245	Open			(1) arranged as supplied by a licensed builder			
1	Mainsail sheet block inside boom	Harken 57mm carbo airblock triple with swivel Part No:H2604 - AHC Part No: 323246	Open			(1) arranged as supplied by a licensed builder			

QUANTITY	PART	SPECIFICATION	SUPPLIER	CERTIFICATION	EVENT LIMITA- TIONS	USE	REPAIR	PAINTING OR POLISHING	OTHER
1	Mainsail sheet block connected to sled	Harken Black Magic 75mm Block with becket Part No:H3232 - AHC Part No: 323350	Open			(1) arranged as supplied by a licensed builder			
1	Mainsail sheet sheave	Harken 102 mm Narrow Sheave Part No:H692 - AHC Part No: 323354	Open			(1) arranged as supplied by a licensed builder			
1	Mainsail sheet sheave pin	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
2	Delrin sidesheave for mainsail sheet in boom	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Low friction ring for mainsail sheet	Harken ring Part No:H3272 - AHC Part No: 323360 or similar	Open			(1) arranged as supplied by a licensed builder			
1	Stainless mainsail sheet pin with stoppers	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
Trampoline									
1	Net	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder	✓		The use of elastic cord with a maximum of 6mm diameter is allowed to retain the traveller line and mainsheet to the trampoline The use of elastic cord with a maximum of 6mm diameter is allowed to hold the tail end of the halyards and the tack line in place on the trampoline within 1m of the base of the mast The use of elastic cord with a maximum of 6mm diameter is allowed to reduce slack in gennaker furling line blocks. One winch override preventer line for each winch. Allowed one swivel on each side to attach end of Gennaker sheet. The use of one low friction ring where the traveller line passes through the net.
34	Trampoline Sliders	Bainbridge Part No:A018S - AHC Part No: 323347	Open			(1) arranged as supplied by a licensed builder			Optional to use boltropes instead of sliders
2	Trampoline Boltropes	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			Optional to use sliders instead of boltropes
As required	Lashing	OD: 3mm Length: As required Material: Dyneema	Open						
4	Trampoline batten	10mm Diameter Fiberglass pultruded rod	Open			(1) arranged as supplied by a licensed builder			
Bowsprit									
1	Bowsprit	Build specification	CH (Aston Harald Composite)	M32 STICKER at aft connection	1 per event	(1) arranged as supplied by a licensed builder	✓	✓	
1	Connection pin bowsprit	Build specification - AHC Part No: 323525	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder		✓	
2	Bowsprit struts	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder	✓	✓	
2	Strut bolt	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
2	Strut locking pin	Build specification - AHC Part No: 323526	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Tackline housing	Build specification - AHC Part No: 323654	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			

QUANTITY	PART	SPECIFICATION	SUPPLIER	CERTIFICATION	EVENT LIMITA- TIONS	USE	REPAIR	PAINTING OR POLISHING	OTHER
1	Gennaker furler and swivel	Profurl Model NEX 1.5 - AHC Part No: 323606 or KZ Racefurlers KZ2T32	Open			(1) arranged as supplied by a licensed builder			It is permitted to add a stainless protection to the furler and swivel pins
1	Gennaker furler line	8-10mm Length: as required Material: 7-9mm Dyneema core + cover. Taper Allowed.	Open						It is permitted to add up to 4 low friction rings or blocks to the furler line to fix its position on the trampoline, beam or forestays.
1	Delrin sheave tackline	Build specification - AHC Part No: 323254	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
1	Tackline sheave bolt	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
2	Delrin sheave for tackline housing	Build specification - AHC Part No: 323259	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
Daggerboard									
1	Starboard daggerboard	Build specification	CH (Aston Harald Composite)	M32 STICKER on top face	1 per event	(1) shall remain inside daggerboard case while <i>racing</i>	✓	✓	It is permitted to round the top aft corner with a 25mm radius It is permitted to use low quantities of friction reducing lubricant on the daggerboard
1	Port daggerboard	Build specification	CH (Aston Harald Composite)	M32 STICKER on top face	1 per event	(1) shall remain inside daggerboard case while <i>racing</i>	✓	✓	It is permitted to round the top aft corner with a 25mm radius It is permitted to use low quantities of friction reducing lubricant on the daggerboard
2	Daggerboard pull-up line	OD: 8mm Length: 600mm Material: Dyneema	Open						
As required	Protective material inside daggerboard case	Carpet or Webbing	Open			(1) shall be applied symmetric on each side of the daggerboard centre line (2) It is permitted to add friction reducing polish to the surface			
Rudder									
2	Rudder Blades	Build specification	CH (Aston Harald Composite)	M32 STICKER on top face	2 per event		✓	✓	Adhesive tape may be applied without restriction on area in contact with rudder head
1	Starboard rudder head	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder	✓		It is permitted to add a retention line, with or without ratchet, or strap around the rudder blade and case for the purpose of holding the rudder down.
1	Port rudder head	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder	✓		It is permitted to add a retention line, with or without ratchet, or strap around the rudder blade and case for the purpose of holding the rudder down.
2	Stainless rudder pin	Build specification - AHC Part No: 323519	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
4	Delrin bushing for rudder head pin	Build specification - AHC Part No: 323645/323520	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
2	Rudder lock arm	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
2	Rudder lock with spring	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			

QUANTITY	PART	SPECIFICATION	SUPPLIER	CERTIFICATION	EVENT LIMITA- TIONS	USE	REPAIR	PAINTING OR POLISHING	OTHER
2	Tiller extension telescopic	Maximum length 3.300 m	Open			(1) arranged as supplied by a licensed builder (2) connected to tillerbar connection points (3) Not mandatory while racing	✓		It is permitted to add a transverse rope between rudders to hold the tiller extensions
1	Tillerbar	Build specification	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder	✓		Tiller extension holders may be removed
2	Delrin end fittings for tillerbar	Build specification - AHC Part No: 323527	CH (Aston Harald Composite)			(1) arranged as supplied by a licensed builder			
Sails									
1	Mainsail	North Sails	CH (Aston Harald Composite)	M32 STICKER at the head	1 per event		✓		Battens delivered for 3DL main sail (before 2015) cannot be used for 3di main sail (from 2015)
1	Gennaker	North Sails	CH (Aston Harald Composite)	M32 STICKER at the clew	1 per event		✓		Gennakers manufactured 2021 or earlier may not be used unless stated in the NOR
1	Gennaker sheet	OD: 8-10mm Length: as required Material: 7-9mm Dyneema core +cover. Taper allowed.	Open						
1	Mainsail sheet 24:1 or 28:1	Minimum 10mm Length: as required Material: 11mm Dyneema core +cover. Taper allowed.	Open						
1	Gennaker downhaul 2:1	Minimum 8mm Length: As required Material: 7mm Dyneema core + cover. Taper Allowed.	Open						