

# International Laser Class Association



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## 2016 Handbook

Constitution and Class Rules



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# International Laser Class Association 2016 Handbook

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This Handbook is published every year by the International Laser Class Association (ILCA) and distributed to class members throughout the world. Any changes to the information contained in this Handbook, including changes to the class rules and By-Laws, are published on the ILCA web site **[www.laserinternational.org](http://www.laserinternational.org)** and in LaserWorld, the international magazine of the class that is also distributed to Laser class members.

If you are not an ILCA member consider joining us by contacting your national Laser association through the contacts list on our website.



**Eric Faust**  
ILCA World Executive Secretary



# From our President

## A boat for Life in a Lifetime Sport

2016 will be the 20th anniversary of the Laser's first Olympic competition - the XXVI Olympiad held in Atlanta, Georgia in 1996. Rio de Janeiro will be the 5th Olympic regatta for the Laser Standard and the 3rd for the Laser Radial. Both are now firmly established as the Olympic singlehanded dinghies for the men and women. We look forward to another great show from close racing in Rio de Janeiro.



The Laser was not a young class when it was first chosen for the Olympics but it was certainly ready. It has opened the door to Olympic sailing for a number of new countries and continues to do so year on year. The "Laser Formula" of three rigs for one hull has developed into 3 classes (Laser 4.7, Radial and Standard) for different weight ranges of sailors. It provides a low cost pathway through age and weight growth and sailing development from the Optimist to the Olympics. This has helped the Laser grow where it is today with many of the over 200,000 Lasers still in action in over 120 countries.

Laser is the boat for life. It has a special charm that excites the holiday maker sailing off a sunny beach and technically challenges the racing sailor to continually develop their boat and sail trim to get to the front of a racing fleet. The one design rules are a great leveler where the competition is close - respect must be earned and friendships are born that last a lifetime.

Not everyone will make it to the front of a Laser fleet but the lessons learned from their Laser racing experience will always serve them well. Some will go on to try their hands at Olympic level competition in other classes. Many will continue to sail their boats at the club level and eventually move into Laser Masters sailing where they will find new competition and friends on national and international circuits.

All of this is held together by the true strength of the Laser Class - its members, in particular the many who share their love of Laser sailing by volunteering their time to organize and run events and help to keep Laser sailing the best racing to be found anywhere!

We have something very special in sailing.

A handwritten signature in dark ink that reads "Tracy Usher". The signature is fluid and cursive, with a long, sweeping underline.

**Tracy Usher**

ILCA President

In the pages of this handbook you will find an enormous amount of useful information:

- ★ The Laser Class Rules to help you understand what you can (and can't) do to rig your boat for racing,
- ★ Contact information for District Associations, Class Measurers, Class Officers and the ILCA office,
- ★ ILCA guidelines and policies for major championship events,
- ★ The ILCA Constitution to better understand the organization of the association,
- ★ Useful hints and tricks gleaned from years of experience,
- ★ And, finally, a list of all champions from ILCA regional and world championship events to help provide incentive!

# Go Sailing, Go Racing

Sailing is great but Laser sailing is a little bit more special. You are totally in control and when you want a challenge you go out in stronger and stronger winds until you are flying across waves and through spray, experiencing the most exhilarating ride of your life. The joy of going Laser sailing is what keeps the class the most popular boat of its type in the world.

If you need a little help getting used to the boat there are books about Laser sailing and racing, but for many the best way to get to know your boat better is to go racing. It also means you can meet like-minded people.

Contact the Laser Association in your country for details about how racing is organised and where the nearest group of Laser sailors are (see *page 13*) or check out the contact list on our website. Over 90% of Laser racing takes place over a couple of hours in an evening or at a weekend. Most racing takes place from sailing or water sports clubs and, like golf, you are guaranteed to see a full range of experience at the local club where beginners and experts are welcome. Your club may organise training weekends and visiting coaches and you will certainly benefit from talking to and watching others.

After a while you may wish to have a weekend or week away sailing at a different venue against other Laser sailors. This could be 50 or 500 kilometres away but for sure you will find other places to race. Your national Laser association can help you.



## YOUTH AND MASTERS (over 35)

In many countries there are special extra events organised specifically for different Laser rigs (Laser Standard, Laser Radial and Laser 4.7) and for youth and master sailors. Some countries organise extra National Championships for these rigs and age groups.

For sailors who do not like to travel, the National Championship is often the highlight of the annual racing calendar. These events are open to all comers and all levels of skill. You will experience the excitement of racing in a large fleet of between 30 and 100+ Laser sailors. Best of all you need no qualifications, except being able to handle your boat in up to 20 knots and having enjoyed at least 10 club races in your Laser. You probably will not become national champion (at least not at the first attempt) but you will certainly have a great time.

With the exception of most World and European Championships, all Laser racing is open and there are many national and international regattas you can go to with only a limited amount of experience.

**Contact your national Laser association for a chat about what is available. Check out the contact list on our website at [www.laserinternational.org](http://www.laserinternational.org).**

# The Laser Formula

## A choice of rigs for different weight sailors - 3 boats in one

- *Are your children reaching the age when they want to go sailing in a Laser by themselves?*
- *Does your husband or wife fancy the occasional sail in your Laser?*
- *When you drive 2 hours to get to the water have you found it is too windy for you to go sailing?*
- *Maybe you are too light to sail the Laser with the Standard rig?*

The **Laser Formula** is the answer to all these questions. By changing only the sail and lower mast the Laser can be sailed comfortably in all wind conditions and provide exciting but controlled sailing for any sailor weighing as little as 35 kg. The Laser Formula is a 3 rig option that has been adopted by a number of sailing schools as a simple and economical way to keep sailing in all winds and reduce the amount of 'down time'.

The **Laser 4.7** uses a short pre-bent lower mast to maintain a balanced helm and a sail area that is 35% smaller than the Laser Standard. It is ideal for learning to sail or for the lighter weight sailor graduating from Optimist.

The **Laser Radial** is the next step up. It uses a more flexible and slightly shorter lower mast together with a sail area 18% smaller than the Laser Standard. The Laser Radial has a large following with national and international regattas and World Men's, Women's & Youth Championships attracting as many countries and competitors as the Laser Standard Rig. As well as a strong following amongst lighter weight sailors, the Laser Radial is also used for youth, women and masters racing. Many countries support a full Laser Radial Youth programme and in a survey of national yachting authorities conducted by the International Sailing Federation the majority replied that the Laser Radial was their preferred youth boat.

The **Laser Standard** can be sailed by any weight in light winds, but as the wind increases it is better suited to higher sailor weights.

Apart from the strong second hand market in Lasers with the Laser Standard rig, there is an even stronger second hand market for Laser Radial and Laser 4.7 lower mast and sails as a separate package from the hull.

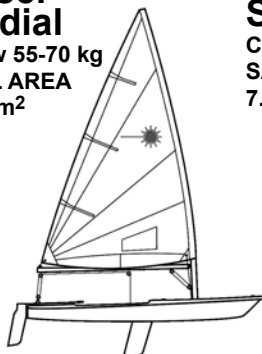
### Laser 4.7

Crew 35-55 kg  
SAIL AREA  
4.70m<sup>2</sup>



### Laser Radial

Crew 55-70 kg  
SAIL AREA  
5.76m<sup>2</sup>



### Laser Standard

Crew 60 kg +  
SAIL AREA  
7.06m<sup>2</sup>



## INFORMATION AND LASER CLASS RULES

The ILCA website features an online search facility to enable you to find detailed information about ILCA and the Laser Class Rules. Please visit [www.laserinternational.org](http://www.laserinternational.org).

# ILCA Age Policy and Useful Information

## WORLD CHAMPIONSHIPS - general

As a result of high demand for places at major Championships, the majority of Laser World Championships and European Championships are allocated place events. For further information see [www.laserinternational.org](http://www.laserinternational.org).

## YOUTH AGE CHAMPIONSHIP POLICY

The Laser is widely used as a youth training and racing boat. The chart below illustrates a typical progression and suggested age limits for prizes at youth events. The stepped progression maintains interest throughout youth years for different rates of growth.

Age*	12	13	14	15	16	17	18	19	20
Birth Year**	2004	2003	2002	2001	2000	1999	1998	1997	1996
Laser 4.7	UNDER 15			UNDER 18					
Laser Radial Youth				UNDER 17		UNDER 19			
Laser Radial Women						UNDER 21			
Laser Standard Men						UNDER 21			

\* The age the competitor **becomes** in the year of the Championship

\*\* The year during which the competitor must have been born **FOR A 2016 CHAMPIONSHIP** using this guide

Within these age limits there will be a wide variation in weight for a given age, therefore some overlap is necessary. The age bands for each rig show suggested main prize categories even when the total entry for a rig is starting together. In larger events, prizes for more age groups within the band limits should be awarded to generate even greater interest.

In general, ILCA recommends that youth events shall be held in Laser 4.7 and Laser Radial rigs. ILCA also recommends an "Under 21" category (17 - 20 years old in the year of the championship) for the Laser Standard Men and Laser Radial Women categories.

In 2016 ILCA will organise Youth World Championships in the Laser Radial and Laser 4.7, following the above age limits, and an "Under 21" World Championship for the Laser Standard Men and an "Under 21" World Championship for the Laser Radial Women.

Competitors in Youth World Championships will normally be in the upper age limits and will be of a high standard. They should be experienced in big fleets and able to sail well in all conditions, including waves and high winds. Entering a World Championship without experience and ability in all racing conditions is not recommended, especially if a sailor is not heavy or strong enough to handle the rig.

## WOMEN - policy

ILCA's recommended policy is that Women's championships should be held in the Laser Radial.

For identification purposes, sails used at certain women's events shall carry a red rhombus above the top batten pocket on both sides, see class rule 4(g).

Red rhombi shall conform with ILCA Rules, Part Two, section 4(g)(i) RED RHOMBUS.

## LASER 4.7 - policy

Although the Laser 4.7 is used primarily as a youth class, at times it may be appropriate to run "open" Laser 4.7 regattas for lighter weight adults. At these events, separate category prizes for youth and women should also be considered, in a format similar to the Laser Radial.

Further information about events can be obtained from [www.laserinternational.org](http://www.laserinternational.org)

## LASER RADIAL - policy

With the exception of world and some continental championships all Laser Radial regattas should be mixed gender and ages. However, if there are two or more categories (e.g. category men, category women) with 35 or more sailors in each, then these categories should race separately and have separate prizes. Where there are separate prize categories, each category should be identified by either a masthead streamer or a colour band on the mast. When two or more categories race in one fleet, then the individual category results should be extracted from the overall results without rescoring.

## MASTERS - policy, age limits and identification

ILCA's recommended policy for Masters events is that the sailor must reach the ages given in Fig. 1 (below), which shall be defined in the Notice of Race. The following colours in Figure 1 are recommended for identification stickers on the mast below the gooseneck so that different category masters know who they are sailing with when they sail in mixed fleets. Overall prizes will be awarded in accordance with the ILCA Honour Award By-Law in each category.



Fig. 1

Age Group	Masters Category	Fleet Colour
35 to 44	Apprentice Master (Standard / Radial)	Green
45 to 54	Master (Standard / Radial)	Red
55 - 64	Grand Master (Standard / Radial)	Blue
65 - 74	Great Grand Master (Standard / Radial)	Yellow
75 and over	75 and Over (Radial)	White

## HANDICAP NUMBERS

Sometimes we get asked: "What are the handicap numbers for Lasers in mixed class racing?" The numbers used by the Royal Yachting Association (GBR) in their Portsmouth Handicap system are:

**Laser 1080**

**Laser Radial 1104**

**Laser 4.7 1175**

The numbers can be used for handicapping different Laser rigs within a mixed fleet. To use the numbers, convert the elapsed time into seconds. Divide the elapsed time by the handicap number and multiply by 1000 to achieve a corrected time.

The handicap numbers work best on races around 100 minutes long. Further information on Portsmouth Numbers can be obtained on the internet at: [www.rya.org.uk](http://www.rya.org.uk)

## Personal Handicaps

The handicap numbers take into account the difference in boat speed as a result of the different size rigs. The handicap numbers take no account of an individual's ability. If the finishes are timed, a personal factor can be applied to the handicap number so that each person has a Personal Handicap Number.

The handicap numbers are based on race times. In a theoretical race, where a Laser finished in 60 minutes, a Laser Radial should finish in 61 minutes 17 seconds if all the sailors were the same standard and made the same mistakes! A Personal Handicap can be introduced by adjusting the handicap numbers.



For example, changing the Laser Radial handicap number from 1101 to a Personal Handicap of 1102 would mean that in the same race the Personal Handicap would give an extra 4 seconds advantage on someone sailing a Laser Radial without a Personal Handicap.

Personal Handicaps can be fixed for a set number of races or adjusted in any number of ways based on the performance of the last race. For example, if you win a race you are handicapped by 30 seconds in the next race. Second could be handicapped by 15 seconds etc. Similarly, the last placed boat could be given a handicap advantage of 1 minute, second to last 30 seconds etc. A simple time or place penalty system like this can also be used instead of handicap numbers (see fleet handicaps on our website at: [www.laserinternational.org](http://www.laserinternational.org)).

It is best to keep race by race changes simple and restrict changes to a maximum of the first two and last two places.



***If you decide on a Personal Handicap System don't forget  
someone has to manage it so KEEP IT SIMPLE.***

## **COACHING AND COACHES**

ILCA helps in the organisation of training camps for racing sailors throughout the world. Demand for this type of help is increasing. We hold a register of Laser sailors who are experienced at international regattas and who are able and interested to give some time to run race training courses around the world. Laser Coaches do not normally get paid for their work but they get their travel, meals and accommodation paid for plus a small expense allowance.

Coaching can be a rewarding experience and an opportunity to visit countries you might not normally get a chance to visit. If you are interested in being a Laser coach please write to the International Office with FULL details of your sailing experience, race results, coaching experience in Lasers and other classes, age, languages, address, including business and home phone, fax and e-mail. Please also include references.

If you would like the services of a Laser coach on the above basis please contact ILCA International Office with at least 6 months notice. Please also keep in mind that all the coaches have their own busy sailing season and therefore courses should be planned at a 'quiet' time of the year to give ILCA the best possible chance of finding a coach.

## **ADVERTISING/SPONSORSHIP**

Information about advertising/sponsorship on sails can be found on the ILCA website ([www.laserinternational.org](http://www.laserinternational.org)) by clicking on the "Information" tab and choosing "Regulations 20: Advertising Code" from the sub-menu. Advertising and graphics may not be placed on the sail window (Class Rule 10).

## **ANTI-DOPING**

The latest information about the ISAF Anti-Doping Code can be found on the World Sailing website: <http://www.sailing.org/documents/regulations/isafregulations/index.php>

## REGIONAL CHAMPIONSHIPS

ILCA must be informed of a Regional (Continental) Championship 18 months in advance. Before the dates, venue and notice of race of such a championship are published, the venue and dates must be submitted to the World Council for approval. Before giving such approval the World Council shall consider the requirements of the Regional Championship By-Law and any other aspect, which may affect the quality and fairness of the competition.

## POLICY FOR TRANSLATING THE HANDBOOK

It is possible to translate the ILCA Handbook into your native language.

If you are interested in translating this handbook, please email your translation to ILCA at [office@laserinternational.org](mailto:office@laserinternational.org). Once the translation has been approved, we will make the translated version available on our website.

If you have any questions or would like to translate this handbook, please contact the ILCA office.

# What is the International Laser Class Association (ILCA)?

The International Laser Class Association (ILCA) is like a worldwide sailing club specifically for owners of Laser sailboats and people interested in the Laser. Like most sailing clubs it is run by volunteer Laser sailors who employ staff to run a dedicated Laser office.

For easier administration the Laser Association is divided into 4 main levels of activity, each with elected volunteers:

**FLEETS** - normally sailing clubs or small groups of Laser sailors sailing together on a local basis. Fleet activities are normally co-ordinated by a Fleet Captain who has been elected by the Laser sailors in that Fleet.

**DISTRICTS** - In North America and Australia these are single states or an amalgamation of states. For the rest of the world, district boundaries are normally the same as national boundaries, although occasionally small countries either amalgamate with other small countries or get looked after by larger countries. District activities are co-ordinated by a committee, elected by Laser sailors at the district's annual general meeting.

**REGIONS** - these are a number of districts grouped together on a continental basis. Regional activities are co-ordinated by officers elected by the District representatives.

**INTERNATIONAL (World Council)** - this is like the board of directors of a company. It is responsible for directing the work of the association and maintaining the objects of the association as they are expressed in the association's constitution. The World Council consists of the President and Vice President, the Chairman of each region, the Executive Secretary appointed by the council and 2 representatives of the Laser manufacturers. Our World Council is truly international, currently consisting of officers from Australia, France, Switzerland, UK and USA - all are active sailors and between them have a wealth of experience spread over all levels of sailing.

The contact details of all class officers from the district to World Council level can be found on the website at [www.laserinternational.org](http://www.laserinternational.org). Please do not hesitate to contact any officer if you have any Laser problems or need help or information about the Laser or Laser Association.

# ILCA Goals

The objects expressed in the constitution of the association are:

- To enhance the enjoyment of Laser sailboats.
- To provide a means of exchanging information among Laser sailors throughout the world.
- To promote and encourage Laser class racing in all countries under uniform rules.
- To promote and encourage the sporting and recreational aspects of sailing.

## ILCA's Work

For the majority of members, the work done by class officers is not directly apparent, but it is vitally important for the continuation of our class and the very existence of the Laser sailboat as we know it. It is all too easy to go to a dealer, buy a Laser, and go sailing with lots of other identical Lasers without even thinking about how it all happened or if it will continue to happen!

The existence of a strong International Laser Association is important to all Laser owners, whether they are occasional weekend sailors or aiming for an Olympic gold medal. If you doubt this, think back to the reasons why you were originally attracted to the Laser:

### **A good design?**

ILCA cannot take credit for that. However, ILCA plays an important part in protecting that design and making sure it isn't devalued by manufacturing changes. The construction of the Laser is controlled by an agreement between the manufacturers, ILCA and World Sailing, and by the class rules. Monitoring this agreement is an important part of ILCA's work.

### **Strict one design?**

When the Laser was first introduced a set of rules were drafted which, at the time, were very different to other existing classes. These other class rules listed a number of prohibitions, which led to developers trying out new ideas if the idea was not specifically prohibited. The result of this is that quite often older boats became outdated with a subsequent loss in value. The Laser rules are different in that they prohibit ANY changes unless the rules specifically allow a change. This means that a 10 year old Laser is the same as a brand new one and, as a result, holds its resale value far better. ILCA plays an important part in keeping the Laser rules strictly one design by preventing changes and providing a measurement structure that maintains the one design.

### **Good racing?**

The International Office of ILCA is responsible for organising world and other major championships for the class. Of course these only directly interest a small group of sailors. However, the organisation of top quality championships has an effect on all sailors. The qualification and training for major championships can only take place at lower level regattas. This results in increased participation at lower levels, which in turn attracts more people to the class. Standards that are set in sailing, racing and organisation at international level filter down throughout our organisation.

### **Good magazines, website and communication?**

The amount and quality of literature available to a Laser sailor is high compared with most other classes. ILCA's *LaserWorld* magazine is prepared by the International Office and distributed throughout the world to supplement the many and various publications produced by the Districts. A truly international magazine keeps everyone in touch with class activities and helps the class to develop evenly throughout the world. This is one of our greatest strengths. ILCA also has its own website ([www.laserinternational.org](http://www.laserinternational.org)) with regularly updated news items, information and links to other sites. In many other classes a lack of international communication has caused groups of sailors in different countries to become isolated and the class in those countries to become extinct. This fall-off in activity eventually affects the class in established countries, leaving only the truly international classes well supported.

## Low price?

Mass production keeps the price of the Laser relatively low. An active Class Association encourages more people into the class, therefore making mass production viable.

## Activity

Whatever reasons made you become a Laser owner, they are all a result of ACTIVITY. The Laser Association plays an important part in promoting and maintaining this activity and keeping the Laser at the top of the sailing world for both Laser sailors and sailing authorities.

The International Office, together with the regional and district officers, ensure a strong and healthy future for the Laser.

The International Office also deals with correspondence and communications from individuals, fleets, sailing clubs, district committee members, national yachting authorities, the World Council, the International Sailing Federation and the various manufacturing plants - in fact anything concerning Laser!

***ILCA is working for each individual Laser sailor  
no matter where they are in the world.***



## FINANCES

Being a large class, there is a considerable amount of administration. At District level, membership numbers are often so big that part time secretarial help is needed to assist the volunteer officers, if only to send out the newsletters! Multiply the number of countries by 120 and add together all the memberships from each country, and it is easy to see why we need a full-time International Office.

Any club or association needs a small fee to cover costs. Your membership fee would normally include an amount for the district and sometimes regional administration, plus a contribution towards the international costs of the association. The international accounts are audited each year, and a summary income and expenditure account, including an accumulated reserve funds carried forward, is published in *LaserWorld*.

The association's finances and administration are independent of the Laser manufacturers, although we work closely together on a number of things. The World Council believes that our continued strength is related to having sound finances, therefore it tries to maintain a small operating surplus each year, which is put in a reserve fund.

# ILCA

- A self-administered international organisation
- Provides co-ordination, organisation and communication for the class worldwide
- Liaison with national and international authorities
- Maintains one design rules
- Protects the design and ensures consistency
- Monitors building agreements
- Self-funded
- Positively promotes Laser sailing worldwide
- Publishes annual handbook and quarterly magazine LaserWorld
- Co-ordinates international racing calendar
- Organises World Championships at international level
- Administers the class worldwide
- Sets the standard that others aspire to achieve

## Website: [www.laserinternational.org](http://www.laserinternational.org)

The ILCA website contains a large amount of regularly updated information useful to Laser owners, including:

- Event information for all Laser world championships, including dates, allocations, Notice of Race, Charter Terms & Conditions and links to event venue websites.
- Full results, daily results and reports from all Laser Championships.
- Archive of results from Laser World & Regional Championships since 1971.
- RSS Newsfeed, to keep you in the loop with breaking news from ILCA.  
Facebook.com/intlaserclass, Twitter: ILCA @intlaserclass
- Bid pages - want to host an ILCA championship? You can find all the bid documents for World championships online.
- Image Gallery, containing the best pictures from all Laser Championships.
- Videos of Laser sailing activities - from Masters events to the CrazyNorwegians.
- LaserWorld, our quarterly newsletter, is available for all to download or view online.
- Measurement Manual - to help both sailors and officials understand the Laser Class measurement process.
- Technical & Quality pages, which provide you with the opportunity to request assistance with quality complaints and where you can contact us with proposed rule changes.
- Regularly updated list of addresses for Laser contacts in each country.

# COUNTRY AND DISTRICT CONTACTS (In Alphabetical Order)

Correct as at 01.01.16 Updated regularly on the ILCA website: [www.laserinternational.org](http://www.laserinternational.org)

Key to Regions: (ap) Asian Pacific (csa) Central & South America (e) Europe (int) International (na) North America

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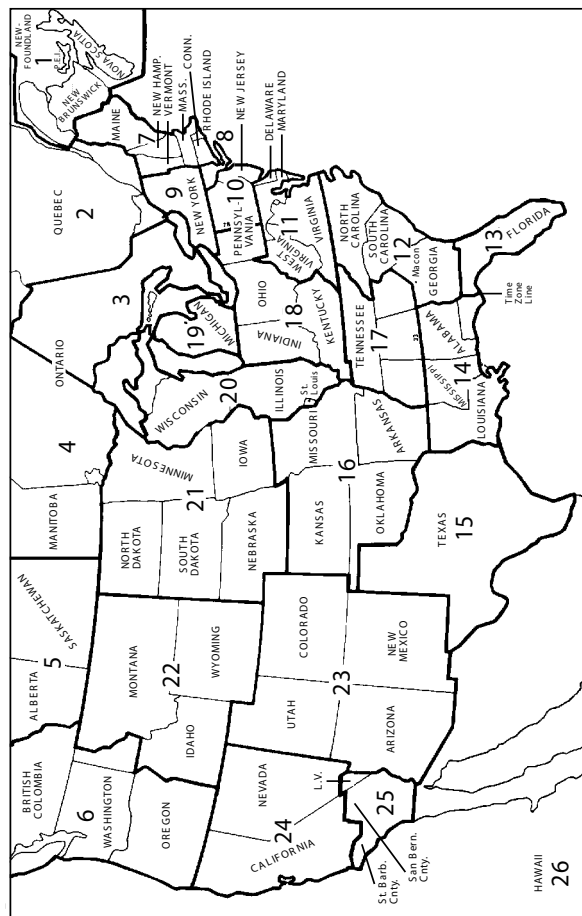
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## INTERNATIONAL LASER CLASS ASSOCIATION

# Constitution

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Amended 3 May 1974, 18 March 1993, article 12 amended 1 June 1995, articles 6 (1), 7 (4), 8 (3) and 9 (3) amended 1 January 2000, head office amended 1 January 2016.

### NAME

1. The name of the association shall be the INTERNATIONAL LASER CLASS ASSOCIATION, with head office at PO Box 49250, Austin, Texas 78765, USA.

### INSIGNIA

2. The emblem of the Class shall be the recognised Laser symbol, and the insignia of the officers shall be those prescribed by By-Law.

### OBJECTS

3. The objects of the Association are
  - (1) to provide a medium of exchange of information among Laser sailors throughout the world and to enhance the enjoyment of these sailboats;
  - (2) to promote and develop Laser class racing in all countries, under uniform rules; and
  - (3) to encourage and foster the enjoyment of the sporting and recreational aspects of sailing.

### POLICY

4. It shall be the policy of the Association to maintain the Laser as the epitome of a strict one-design class of sailboat.

### JURISDICTION

5. The Association has authority over all activities of the Laser Class throughout the world, and its powers shall be vested in and carried out by the World Council, Regional Executive Committees, District Associations and Fleets as provided in this Constitution and any By-Laws passed pursuant to the provisions hereof; all subject to and in accordance with the General Rules and By-Laws of the International Sailing Federation.

### ORGANISATION

#### World Council

6.
  - (1) The Association shall be governed by the World Council comprised of the Chairman of each Regional Executive Committee from time to time holding office, the immediate Past President of the World Council, the Executive Secretary, the two appointed members of the Advisory Council, and such additional officers to be appointed by the Council for such term as it may from time to time determine. Each officer shall be a member of the Association.
  - (2) The World Council shall meet not less frequently than once per year and the first meeting shall take place within two months of the election of the Regional Chairmen. The time and location of meetings shall, if possible, coincide with the holding of a world or a regional championship meet.
  - (3) The World Council shall elect from amongst themselves, the President and Vice-President of the Association who shall hold office until their successors are elected to office; and the World Council may appoint Honorary Commodores from time to time as they shall see fit.
  - (4) The Executive Secretary shall be appointed by the elected members of the World Council and shall hold office for such term and upon such conditions as the World Council shall decide. He shall be situated at the Head Office of the Association and shall be responsible for the management of all business of the Association, subject to and in accordance with the Constitution, By-Laws and the direction of the World Council, including
    - (a) the co-ordination of all inter-regional activities,
    - (b) the organisation of all activities relating to World Championships,
    - (c) liaison between the Association, World Sailing and all other yachting authorities, and
    - (d) liaison between the membership and the Chief Measurer.
  - (5) The World Council shall appoint, for such term as it shall decide, a Chief Measurer for the Association who shall rule on all questions and challenges relating to the Rules, and shall issue Interpretations thereof deemed necessary by him. All such Interpretations shall be binding until approved, rejected, or modified by decision of the World Council, duly published to the members of the Association.

#### Regions

7.
  - (1) The World Council may, as and when it deems it convenient for the administration of the affairs of the association within a substantial area where several Districts are or may be established, constitute such area as a Region.

- (2) The World Council, upon establishing a Region, shall appoint a Regional Executive Committee comprised of a Regional Chairman, Vice Chairman, and Executive Secretary, to hold office until their successors are elected.
- (3) The Regional Executive Committee shall have those powers, vested in the World Council by this Constitution (other than the power to amend the Rules or this Constitution) as are specifically delegated to the Regional Executive by the Regional By-Law, including the power to appoint additional officers for such term as it may from time to time determine.
- (4) The Regional Executive officers, other than the Executive Secretary, shall be elected annually by vote of the Chairman (or other officer authorised by him if he is unable to attend) of each District at the annual Regional meeting to be held at the head office of the Region or such other place as the Regional Executive Committee shall determine, and shall hold office until their successors are elected, and nothing shall preclude one of the District Chairman as also acting as the Regional Chairman. Each officer shall be a member of the Association.
- (5) The Regional Executive Secretary shall be appointed by the elected members of the Regional Executive Committee, and shall hold office for such term and upon such conditions as the Regional Executive Committee shall decide. He shall be responsible for the management of the business of the Region, subject to and in accordance with the Regional Executive By-Law and the direction of the Regional Executive Committee, including
  - (a) the co-ordination of inter-District activities and events,
  - (b) liaison with the Executive Secretary of the World Council,
  - (c) issuance of Fleet Charters,
  - (d) maintenance of all records of the Region, and
  - (e) maintenance of all membership records and information, unless such duties are delegated to the District Secretary.
- (6) The World Council may subdivide a Region into one or more Regions, may amalgamate two or more Regions or may add Districts to or delete Districts from any Region from time to time as may be required for the effective administration of the Association.
- (7) In the event that a Regional Chairman shall be unable to attend any meeting of the World Council, the Executive Secretary of the Region or such any other member of the Regional Executive Committee nominated for that purpose may attend and represent the Chairman and vote at such meeting of the World Council.
- (8) Nothing shall preclude the Executive Secretary of a Region also serving as Executive Secretary of the World Council.
- (9) The Regional Executive Committee may make By-Laws, subject to the provisions of this Constitution and the Regional Executive By-Laws of the World Council, for any purpose necessary to carry out the functions and responsibilities of such Region, and copies of all such By-Laws as are from time to time passed by any Regional Executive shall be filed with the Executive Secretary of the World Council.

## **Districts**

8. (1) The World Council, on the recommendation of a Regional Executive Committee where applicable, shall by By-Law establish Districts in distinctive areas deemed appropriate and relevant, having regard to all considerations, including geography, language, distance, and population, for the development of the Laser Class and the fulfilment of the objects of the Association.
- (2) The World Council, upon establishing Districts, shall appoint District Associations comprised of a District Chairman, a Vice-Chairman, a Secretary, and a Treasurer, to hold office until their successors are elected.
- (3) The District Association shall consist of the foregoing officers, and may appoint such additional officers to hold office for such term as it may determine. Each officer shall be a member of the Association.
- (4) Each District shall be administered in accordance with and subject to the provisions of a Constitution of the District, approved by the World Council, or if the District has no Constitution, the District Association By-Law of the World Council; and the officers of each District Association shall be elected annually by the members of the Association within the District in accordance with the provisions of the District Constitution, or, in the absence thereof, the District Association By-Law.
- (5) The boundaries of Districts may be varied by the World Council on the application of any District concerned, and one or more Districts may be amalgamated or any District may be subdivided into one or more Districts with the approval of the District Associations concerned.
- (6) A District Association with the approval of the Chief Measurer may appoint a District Measurer for a District to assist the Chief Measurer in the conduct of his responsibilities and the enforcement of the Rules; and nothing precludes a District Measurer from acting as Measurer for more than one District. A District Measurer shall have the authority to rule on all questions and challenges relating to the Rules and Interpretations of the Chief Measurer, but he may not issue Interpretations except with the prior approval of the Chief Measurer.

- (7) A District Association may make By-Laws, subject to the provisions of this Constitution, the Regional Executive By-Laws, and the District Association By-Law or District Association Constitution (as the case may be), for any purpose necessary to carry out its functions and responsibilities in the management of such District.
- (8) If any District is within the jurisdiction of a National Authority, such District Association shall, in addition to any other requirements of this constitution, be subject to such rules, regulations and directions of such National Authority.

#### **Fleets**

9. (1) A Fleet may be granted a charter upon application to the Regional Executive Committee (or the World Council where the locality is outside a Region) by 6 or more members of the Association who are individual owners of Lasers within any area or club deemed appropriate, having regard to the locality where regular racing activity is easily accessible to members of that Fleet.
- (2) Notwithstanding paragraph (1), a special Fleet may be chartered in any locality for the purposes of accommodating specific members of the armed forces, an educational institution, a junior programme or any other non-profit organisation.
- (3) A Fleet Captain, and such other officers if any as the Fleet may deem necessary, shall be elected annually from among the members of the Fleet in such manner as is prescribed by the Fleet, unless otherwise provided by the By-Laws, and shall be responsible to the District Association for the organisation of the Fleet and the due compliance by the members of the Fleet with the provisions of the Constitution and By-Laws of the Association. Each officer shall be a member of the Association.

#### **MEMBERSHIP AND DUES**

10. (1) Any person may become a member of the Association by making application to the Executive Secretary, or the appropriate Regional Executive Secretary or District Secretary, as the case may be, and payment of the prescribed Association dues, provided that he has not been disqualified from membership for cause by decision of the World Council or under suspension from membership.
- (2) An application for membership implies that the applicant undertakes and agrees to be bound by the Constitution and By-Laws of the Association upon being accepted to membership.
- (3) A member of the Association *ipso facto* belongs to the District in which he normally sails, even though such place may not be his permanent residence; but such member, for valid reason and with the approval of both District Chairmen, may select instead the District in which he has permanent residence.
- (4) A member of the Association may become a member only of the Fleet in his District where he normally sails for the purpose of qualification, where required, for sanctioned events; and any dispute shall be settled by decision of the District Association which decision shall be final.
- (5) The World Council may grant honorary membership in the Association, for such period as it determines, to any person who, through special contribution to the Class or through special relationship to the Association, is considered meritorious.
- (6) The World Council may grant an honorary life membership to any member who has achieved, in the opinion of the World Council, international stature as a result of his yachting achievements.
- (7) An honorary and an honorary life member are entitled to full privileges of membership, but are not required to pay the annual dues of the Association.
- (8) Membership in the Association shall not be open to any company, partnership, group or other association unless specifically authorised in any case or class of cases by the World Council; and the World Council may impose such terms, conditions or qualifications to any such membership as it shall deem appropriate.
11. (1) Association dues shall be in the amount determined by and shall be payable within the time prescribed by By-Law of each Region or District, as determined by the World Council, and shall include all amounts required for World Council, Region and District purposes as determined by each authority.
- (2) The Association may ask for special contribution in addition to dues, provided any such contribution shall be for a specific purpose and shall not be mandatory.
- (3) Dues shall be collected by the Regional Executive Secretary, but the World Council may direct the District Secretary to collect such dues under such terms and conditions as to reporting and accounting as may be required.

#### **SUSPENSION AND REMOVAL FROM OFFICE**

12. A member may be suspended by the World Council, on the recommendation of a District Association, for gross violation of the Rules and By-Laws, for committing an unlawful act in relation to the Association or one of its members, or for any unsportsmanlike conduct contrary to the interests of the members of the Association. The duration of the suspension shall be fixed by the World Council and a suspended member shall during such period be precluded from racing or enjoying any other rights of membership.
13. A Regional or District officer may be removed from office by the World Council for a wilful and unjustifiable act of commission or omission detrimental to the Association or to its members.

## **APPEALS**

14. Any dispute arising in relation to fleets, districts, regions, eligibility to race, the interpreting of this Constitution, the By-Laws or similar matter, other than any dispute as to the interpretation of the Rules or any protest within the jurisdiction of the applicable racing rules, may be made to the World Council whose decision shall be final and binding.

## **ADVISORY COUNCIL**

15. The President and Vice President of the World Council and two persons nominated by those builders who are also Trademark owners shall constitute the Advisory Council and shall assist and co-operate with the World Council in the carrying out of their responsibilities, and shall have the responsibilities as set forth in paragraph 17 hereof and the paragraph entitled "Amendments" of the Rules.

## **BY-LAWS**

16. The World Council may make By-Laws for the purpose of carrying out the objects of this Constitution and of the Association and, without restricting the generality of the foregoing, may make By-Laws
  - (a) amending the Rules of the Laser Class, hereby established as By-Law 1 of the Association, as provided in paragraph 29 thereof;
  - (b) respecting the establishment of Regions, and the powers of the Regional Executive Committees;
  - (c) delegating specific powers of the World Council to Regional Executive Committees;
  - (d) respecting the establishment of Districts and the powers of District Associations;
  - (e) respecting the Constitution and By-Laws of District Associations;
  - (f) respecting registration of members and collection of dues;
  - (g) respecting the measurement of boats and measurement fees;
  - (h) respecting the conduct of championship and other regattas, including the classification of regattas and the eligibility of members for major racing events;
  - (i) respecting the acceptance of deeds of gift of trophies;
  - (j) changing the Headquarters of the Association; and
  - (k) respecting the procedures for meetings of the World Council and Regional Executive Committees, including the conduct of business by mail or other means of communication.

## **AMENDMENTS**

17. Amendments to this Constitution shall be approved by each of:
  - (a) the World Council
  - (b) the Advisory Council
  - (c) at least two thirds of the membership replying in writing to the International Office of the Class in response to a postal ballot published by the International Office. Only those postal votes returned to the International Office within 6 months from the date of publication of the proposed change shall be valid.

## **TRANSITION PROVISIONS**

18. (1) This Constitution shall come into force on the date of the approval thereof by the Association in accordance with the provisions of Article XVIII of the Laser Association Constitution enacted September 30, 1972; and thereupon the said Constitution enacted September 30, 1972, shall be repealed and the officers of the Association elected and appointed under the provisions of the Constitution enacted September 30, 1972, shall be deemed to be the first officers of the World Council under the within Constitution, to hold office until their successors are appointed or elected, as the case may be.
- (2) On the coming into force of this Constitution each District and each Fleet established under the Constitution enacted September 30, 1972, shall be deemed to be Districts and Fleets within the meaning of this Constitution, and all officers and Fleet Captains of such Districts and Fleets shall be deemed to be the first officers and Fleet Captains of such Districts under this Constitution until their successors are appointed or elected, as the case may be.
- (3) All Actions of the Executive Committee or other officers of the Association, including any District officer, made or performed pursuant to the said Constitution enacted September 30, 1972, shall be deemed to be validly done for the purpose of the within Constitution to the same extent as though same were carried out in accordance with the provisions hereof.

# Protecting the One Design Principle

## An overview of the tools we have to protect the One Design Principle and how each member of ILCA can influence changes to the Rules and the Laser Construction Manual

The one-design principle is the most important asset of the Laser Class. Its protection is therefore a prime concern for the class. A number of legal instruments are in place to assure that protection. The most important ones are the Laser Construction Manual (LCM) and the Laser Class Rules.

The LCM is a proprietary, protected document that specifies the manufacturing procedures, standard plugs and tools as well as the raw materials and parts supplied by third parties for the hull, sails and spars. Periodic factory inspections by the class make sure that the manual is strictly adhered to by the builders. These factory inspections are the “measurements” in the traditional sense of sailing. The class rules specify that nothing can be changed by a sailor on the hull, sail and spars except what is specifically and positively allowed by the rules. At major Laser regattas, there is no measurement in the traditional sense. Instead, a simple inspection is made to assure that only original parts are used and that the boat is rigged according to the rules.

The one-design principle means that all Lasers produced by the approved builders are the same. There should be no differences in performance, quality and fittings used between boats from different manufacturers. The LCM is the instrument to assure this. It defines in detail the manufacturing procedures, the materials used and the quality assurance procedures mandatory for each builder. Any change in the LCM requires the unanimous approval by all approved builders, the International Laser Class Association and World Sailing. Several years ago, the ILCA undertook a major revision of the LCM to bring it into compliance with current practice. Wherever possible tolerances were reduced, more detailed descriptions were added and the whole manual was put into a properly secured electronic form. The LCM is continuously reviewed as part of an ongoing process to further tighten tolerances and specifications where possible.

During the revision of the LCM much thought was given to the basic principles on how the Laser should evolve. The following principles were approved by all the builders and the ILCA and are now part of the LCM:

### Evolution in quality and ease of use:

The builders have made and will continue to make a sustained effort to improve the quality, durability and ease of use of the Laser – but without changing its basic performance. Where tolerances exist in the quality assurance procedures for incoming materials and for the manufacturing process, a continued effort will be made to reduce them, but avoiding significant cost increases.

### The concept of a “lead builder”:

For each proposed project a “Lead Builder” will be nominated, who will report periodically to the other builders and ILCA. Changes can only be introduced after the appropriate testing and with the approval of all of the parties concerned.



**Availability of options in materials and fittings:**

If the LCM or the class rules allow options in the fittings, boat parts and material used, then all options must be made available worldwide at the same time and at comparable prices.

**Evolution of the Laser:**

Allow only for changes that are not too expensive, do not affect the performance of the boat and can be easily fitted by a sailor without professional help.

Parts or fittings that have been produced in compliance with the LCM and are therefore legal under the rules cannot be subsequently made illegal, but restrictions on the use of particular equipment (in the interest of minimising differences) may be made.

The control of the adherence to the LCM is governed by the Laser Construction Manual Agreement signed by the afore mentioned parties. It defines the procedures for the periodic factory inspections by the class and the measures necessary in case of deviations. This agreement is the most important legal document, which, alongside the Laser Class Rules, holds the whole "Laser one-design system" together.

**The Rules:**

The basic principle is that nothing can be changed by a sailor on a Laser, which was built according to the tight specifications of the LCM. Only a few changes, which are positively described in the rules, are allowed. The rules also describe how a boat must be rigged to be class legal. The rules are sometimes difficult to understand. Therefore the Chief Measurer of the Class publishes, from time to time, interpretations to certain rules.

Nevertheless, over the years changes have been made to the Laser and the LCM and the rules have evolved. However, the class and the builders were very careful that:

- The changes do not affect the basic performance of the boat, but
- Only the ease of use, durability and safety were improved and
- Older parts, fittings and sails remain legal

**How can each member of ILCA influence these changes?**

Firstly, be aware that only changes which improve the ease of use, durability and safety of the boat, have the chance to be passed.

**Rule changes:**

If you have a good idea for a rule change, talk first to some other sailors and also to class officials to see whether they share your opinion. If this is the case, then formulate the rule change as precisely as possible and add a justification. Next, send your proposal to the Chief Measurer of the Class, Jean-Luc Michon (e-mail: [chiefmeasurer@laserinternational.org](mailto:chiefmeasurer@laserinternational.org).) He will discuss it with the other members of the Technical and Measurement Committee. If recommended the proposal will then be presented to the World Council. Finally, if the World Council and the Advisory Council agree with your proposal, the rule change must be approved by two thirds of the membership.

**Changes in the Laser Construction Manual:**

In view of the protection of the one-design principle, there is always much hesitancy to change the LCM. Any change must have clear and important advantages in terms of usability, quality, durability or safety. Any proposal must be duly justified.

The best way to get some attention is to present a detailed proposal to the Technical and Measurement Committee through the ILCA Technical Officer, Clive Humphris, e-mail: [technical@laserinternational.org](mailto:technical@laserinternational.org).) Be aware that any change requires the unanimous approval by all the builders, the International Laser Class Association and World Sailing, but is not subject to a member vote. Despite the high hurdles a change must overcome before it can take effect, there are several examples in the last few years of important changes that were initiated by ILCA members. If you have a good idea for improving the Laser, do not be scared away by this process.

Reprinted from original articles by Heini Wellmann, featured in LaserWorld October 2007 and January 2008.

# Technical Tips

One of the great things about the Laser is it is instant sailing. It takes only a few minutes to rig a Laser and then you are out on the water. Here are some ideas to help make rigging and sailing a Laser even more simple.

## Mast retention line (class rule 3(b) xi.)

The mast retention line is one of the most important lines on the boat. It must allow 180 degree rotation of the mast and at the same time keep the mast in the deck tube in the event of a capsizing. It is important that the mast cannot move in and out of the tube by more than 50mm. A mast retention line with too much movement may result in the mast sliding most of the way out of the tube and then breaking through the side of the tube and the deck when the boat is righted after a capsizing.

You will need 640mm of 5mm diameter line and a 15mm plastic stop ball. Core spectra line works well as it is low friction.

1. Tie a stop knot in one end of the line and thread the stop ball on to the line.
2. Pass the loop through the 2 eyes on the deck block plate (fig 1).
3. Tie a bowline in the other end of the line so that the overall length of the line from the end of the loop to ball is 570mm. The loop of the bowline should be just big enough to allow the stop ball to pass through the loop.
4. Take the loop end round the front of the mast and then behind the mast over the top of the mast boom vang attachment point and back to the front of the mast.
5. Take the ball end of the rope to the front of the mast and pass through the loop to secure (fig 2).

The retention line can be left on the boat through the deck block fitting so it does not get lost.

Reprinted from an article featured in LaserWorld January 2008.



## Is Your Rudder Angle Correct?

At championships, measurers are often asked what angle the rudder should be set at, how this is measured and, if it is wrong, how it can be fixed. This article is intended to answer these questions.

Using a measuring gauge (fig 3), the angle is measured between the bottom edge of the rudder box and the front edge of the rudder blade.

So, if the front edge of the rudder exceeds 78 degrees, it is more vertical than it should be.

The sanctioned method (Rule 15(e) of the Laser Class Rules) to correct this is to wind plastic tape around the front lower rudder box spacer pin (fig 4).

Note: you are **not** allowed to add material to the front of the rudder to achieve the same effect.

If the rudder angle is significantly less than 78 degrees, you may cut away the rudder where it touches the spacing pin (see Rule 15(d)).

Be careful though, as just 1mm of cut away will result in about 1 degree of rudder movement.

You are always safer to make it slightly less than 78 degrees to allow for wear on the pivot bolt hole and the contact area to the spacing pin (fig 5).

With the recent availability of new fibreglass skinned rudders, both Performance Sailcraft Australia and Laser Performance inform us that the incidence of rudders being significantly below 78 degrees (in conjunction with a modern rudder head) is extremely low.

If required, the gel coat can be wet sanded to fine tune the angle.

However, sanding into the laminate will weaken the blade and is not advised.

Reprinted from an article by Technical Officer Clive Humphris, featured in LaserWorld March 2009.





# Instructions for Applying Sail Numbers

## Style and Colour

Only self-adhesive, stick on sail numbers and letters may be used. Each one shall be a single, solid colour, and easy to read. The last four numbers on both sides of the sail shall be the same dark colour, preferably black. The numbers in front of the last four shall all be another, obviously different colour, preferably red. National letters are only required at international events, and shall all be the same colour.

## Preparation

If the sail is not new, it should be sponged clean with mild soapy water, rinsed and dried. Find a large, clean, flat, hard surface to work on, such as a table or clean wooden floor.

## Template

Make a template that each number will just fit inside. See the **Positioning Diagrams** for the minimum sizes of numbers and letters, and template details. They are different for each of the Standard, Radial and 4.7 sails. The template is a rectangle for upright numbers, and a parallelogram for angled numbers.

## Base Lines and Limit Lines

Use a pencil to lightly draw **Base Lines** and **Limit Lines** on the sail. The bottom of each number and letter must lie on a **Base Line**. The **Limit Line** is parallel to the leech of the sail, and 100mm from it. The closest letter or number to the leech is positioned to just touch the **Limit Line**. This is shown as the **Start Point** on the Positioning Diagrams. The number or letter should touch the **Limit Line** at the **Base Line** or at any other height, depending on its shape.

## Starboard Side Numbers and National Letters

1. Spread the sail out flat on the working surface so that the starboard side of the sail is facing up. The leech (back edge of the sail) will be on the left hand side as shown in the positioning diagrams.
2. **Make sure you are using the correct diagram for the design of sail you are applying the numbers to.** Draw the **Base Line** and **Limit Line** for the starboard numbers (and letters) as shown on the positioning diagram.
3. Before peeling off the backing, place the bottom of the first number on the **Base Line**, with the Start Point touching the **Limit Line**. Use the template with its bottom edge on the **Base Line** to make sure the number is at the correct angle. Pencil around the outline of the number.
4. Peel and fold back about 10mm of the backing from the bottom of the number. Place the number within the pencil outline and press down to stick the peeled back area. Lift the remainder of the number and slowly peel off the backing as you smooth the number onto the sail, taking care to remove air bubbles and creases as you go.
5. If the first number you applied was a 1 (one), measure from the bottom right corner of it and mark a point the space width away along the **Base Line**. The space width is 60mm for Standard and Radial rig sails, and 40mm for 4.7 sails - see the appropriate Positioning Diagram. Place your template on the **Base Line** with its lower left corner on the new mark and pencil round the outline of it. Before peeling off the backing of the second number, place it within the pencil outline of the template. Pencil around the outline of the number, and apply it as in point 4, above.
6. If the first number you applied was not a 1 (one), place your template over it and make a pencil mark at the bottom right hand corner. Measure the space width from this mark along the Base Line and make a second pencil mark. Place the template, with its lower left hand corner on the second mark, pencil around the outline and then apply the next number as in point 4, above.
7. When a 1 (one) is to be applied after another number, make sure the appropriate space width between numbers along the **Base Line** is maintained, as shown in the positioning diagram. Use the bottom right hand corner of the template, placed over the preceding number to find the start of the space width on the **Base Line**.
8. Continue marking number positions using the template, the appropriate space widths between template corners, and applying numbers to complete the full sail number. Use the same method to apply national letters if they are required.

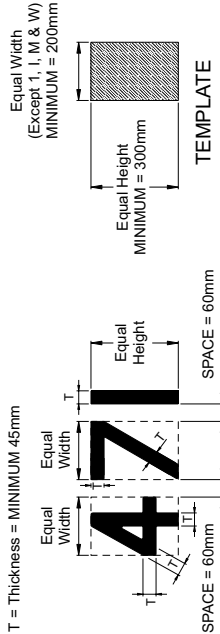
## Port Side Numbers and National Letters

1. Spread the sail out flat on the working surface so that the port side of the sail is facing up. The leech (back edge of the sail) will be on the right hand side. Draw the **Base Line** for the port numbers (and letters).
2. Start with the letter or number closest to the leech making sure that no part of the number or letter crosses the 100mm **Limit Line** towards the leech. Follow the same method as for the starboard side of the sail, working along the **Base Line** away from the leech towards the luff.

# STANDARD MKI RIG NUMBER & LETTER SIZES AND POSITIONING

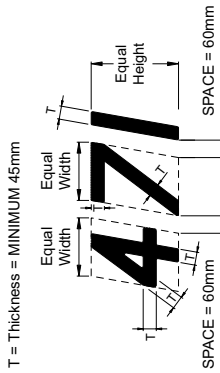
## UPRIGHT NUMBERS AND LETTERS

T = Thickness = MINIMUM 45mm

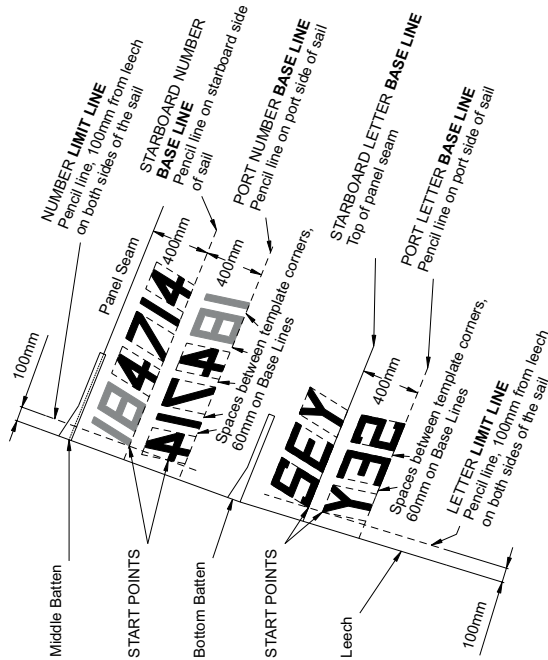
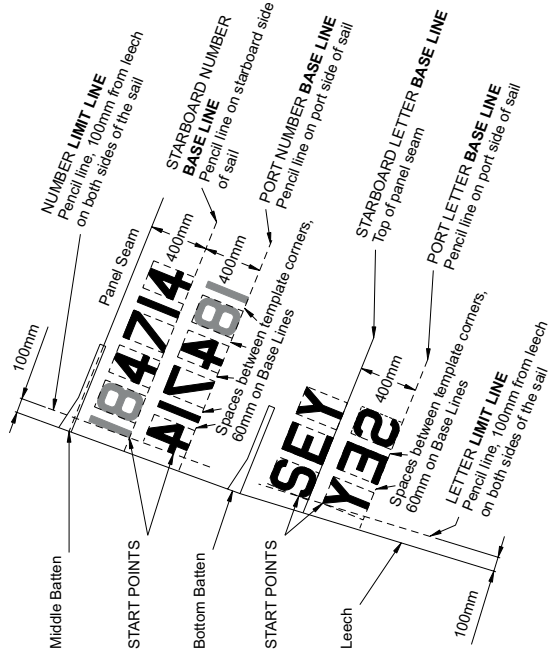


## ANGLED NUMBERS AND LETTERS

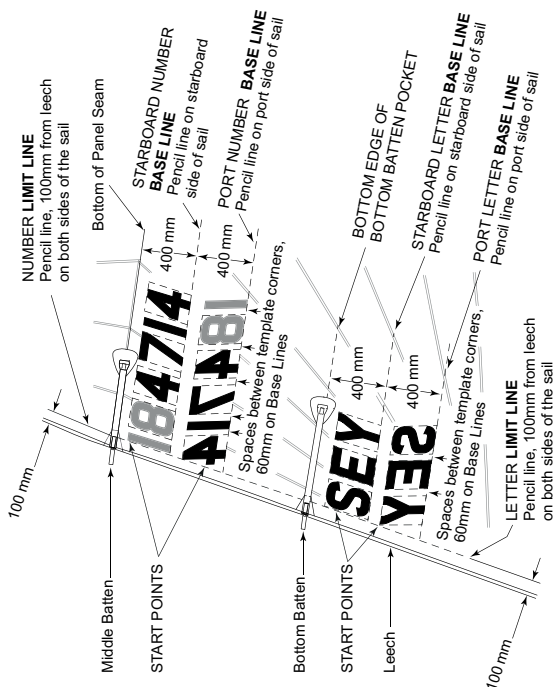
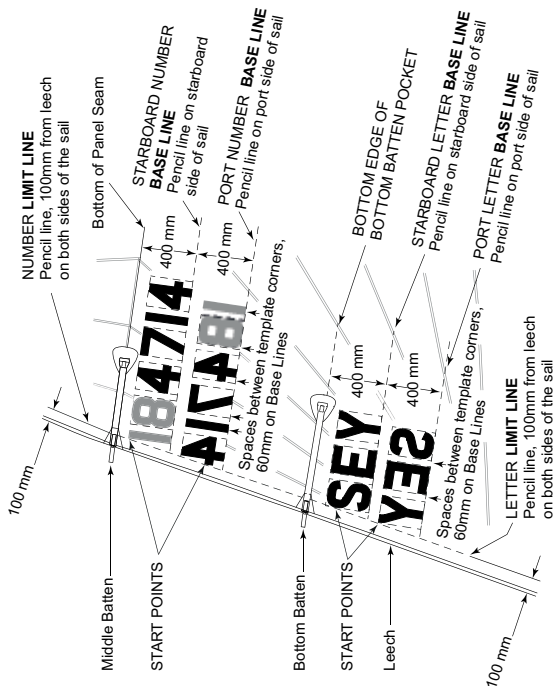
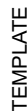
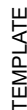
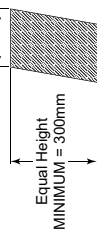
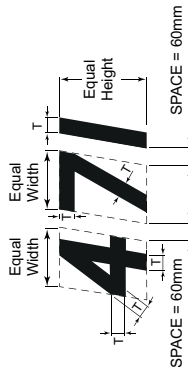
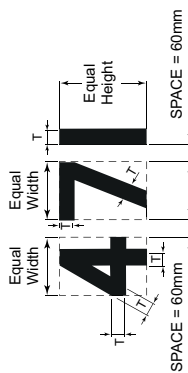
T = Thickness = MINIMUM 45mm



January 2009 Edition



1. MINIMUM SPACE BETWEEN NUMBERS AND LETTERS IN THE CLASS RULES IS 50mm, SO USE 60mm TO ENSURE THAT ANY SMALL ERRORS IN POSITION ARE STILL LEGAL.
2. LAST FOUR DIGITS OF SAIL NUMBER TO BE ONE DARK, DISTINCTIVE COLOUR OR BLACK, PRECEDING DIGITS TO BE A DIFFERENT, CONTRASTING, COLOUR, PREFERABLY RED. ALL NATIONAL LETTERS TO BE ONE COLOUR, THEY MAY BE ONE OF THE COLOURS OF THE SAIL NUMBER DIGITS OR ANOTHER DISTINCTIVE COLOUR.

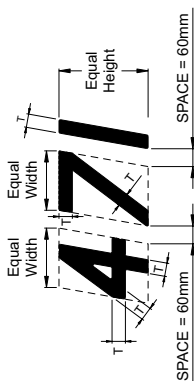


1. MINIMUM SPACE BETWEEN NUMBERS AND LETTERS IN THE CLASS RULES IS 50mm, SO USE 60mm TO ENSURE THAT ANY SMALL ERRORS IN POSITION ARE STILL LEGAL.
2. LAST FOUR DIGITS OF SAIL NUMBER TO BE ONE DARK, DISTINCTIVE COLOUR OR BLACK, PRECEDING DIGITS TO BE A DIFFERENT, CONTRASTING, DISTINCTIVE COLOUR.
3. PREFERREDLY RED. ALL NATIONAL LETTERS TO BE ONE COLOUR. THEY MAY BE ONE OF THE COLOURS OF THE SAIL NUMBER DIGITS OR ANOTHER DISTINCTIVE COLOUR.

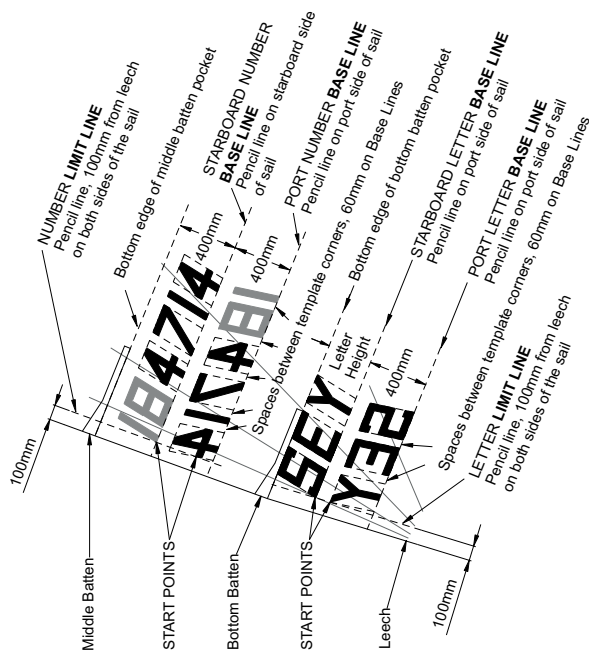
## ANGLED NUMBERS AND LETTERS

T = Thickness = MINIMUM 45mm

Equal Width  
(Except 1, I, M & W)  
MINIMUM = 200mm



TEMPLATE

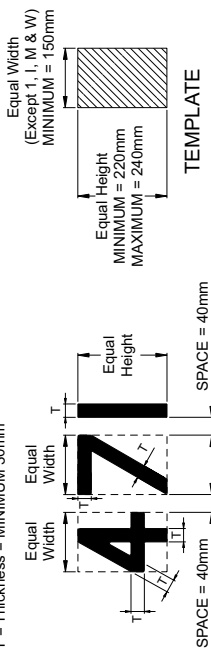


1. MINIMUM SPACE BETWEEN NUMBERS AND LETTERS IN THE CLASS RULES IS 50mm, SO USE 60mm TO ENSURE THAT ANY SMALL ERRORS IN POSITION ARE STILL LEGAL.
2. LAST FOUR DIGITS OF SAIL NUMBER TO BE ONE DARK, DISTINCTIVE COLOUR OR BLACK. PRECEDING DIGITS TO BE A DIFFERENT, CONTRASTING, DISTINCTIVE COLOUR, PREFERABLY RED. ALL NATIONAL LETTERS TO BE ONE COLOUR. THEY MAY BE ONE OF THE COLOURS OF THE SAIL NUMBER DIGITS OR ANOTHER DISTINCTIVE COLOUR.

# LASER 4.7 RIG NUMBER & LETTER SIZES AND POSITIONING

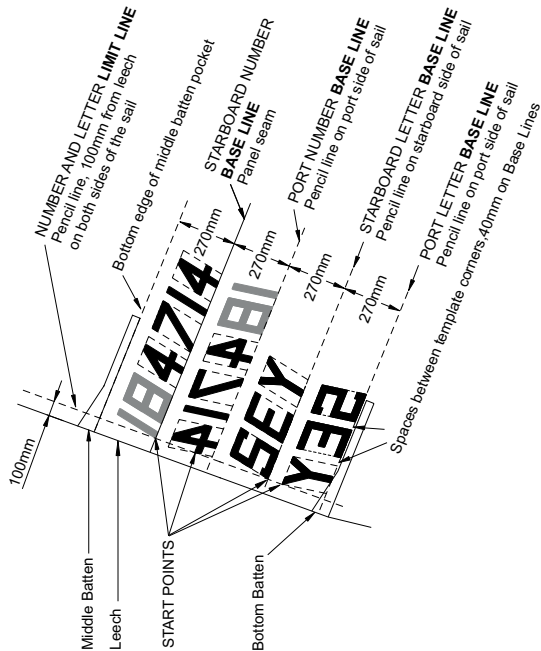
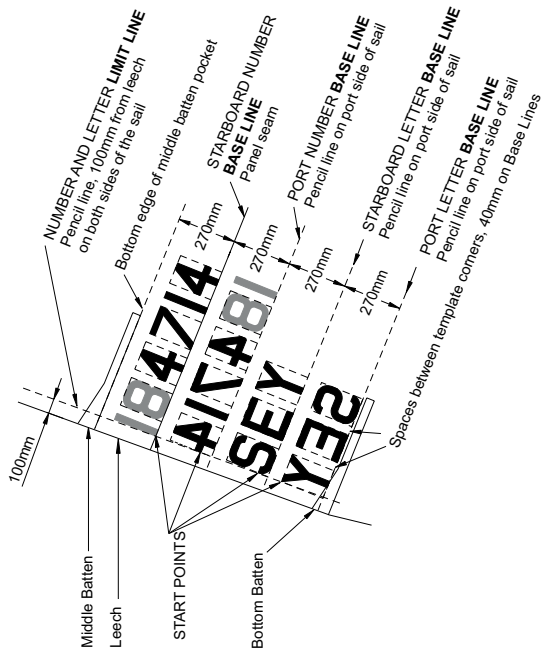
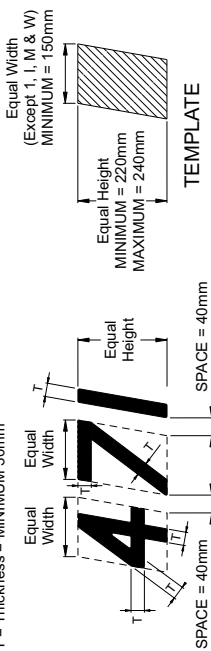
## UPRIGHT NUMBERS AND LETTERS

T = Thickness = MINIMUM 30mm



## ANGLED NUMBERS AND LETTERS

T = Thickness = MINIMUM 30mm



1. MINIMUM SPACE BETWEEN NUMBERS AND LETTERS IN THE CLASS RULES IS 30mm, SO USE 40mm TO ENSURE THAT ANY SMALL ERRORS IN POSITION ARE STILL LEGAL.
2. LAST FOUR DIGITS OF SAIL NUMBER TO BE ONE DARK, DISTINCTIVE COLOUR OR BLACK. PRECEDING DIGITS TO BE A DIFFERENT, CONTRASTING, COLOUR, PREFERABLY RED. ALL NATIONAL LETTERS TO BE ONE COLOUR. THEY MAY BE ONE OF THE COLOURS OF THE SAIL NUMBER DIGITS OR ANOTHER DISTINCTIVE COLOUR.

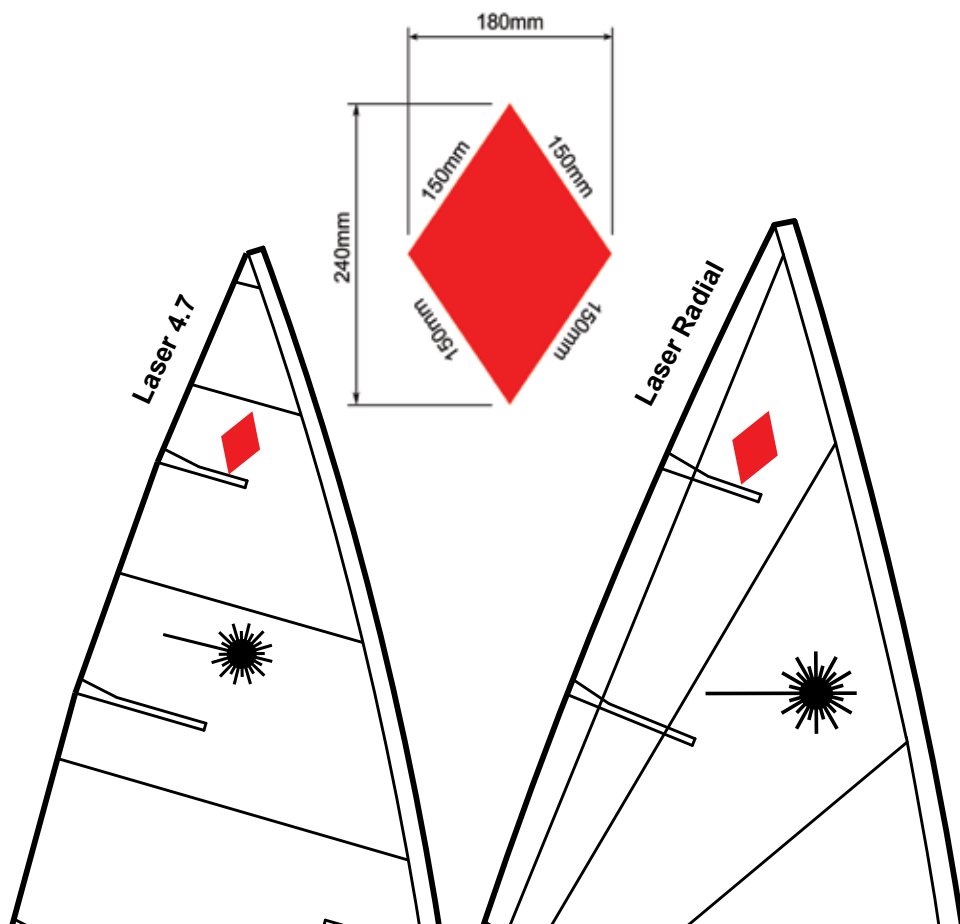
# Instructions for Applying Red Rhombus For Women's Events

Sails used in the following women's events shall carry a red rhombus above the top batten pocket on both sides;

- World or regional (continental) championships.
- Events described as "international events" by the Notice of Race or Sailing Instructions.
- Other events that prescribe in the Notice of Race or Sailing Instructions that women competitors should be identified.

The minimum size and approximate position shall comply with diagrams below.

The rhombus may be retained for racing in other events.



# Boat Care - Stresses and Strains

The Laser boat has an excellent record of durability but like any piece of equipment it can break if overstressed. Weight for weight it probably has one of the strongest constructions of any boat of its type, a fact we are all aware of on occasions when we see Lasers over 10 years old, sailing happily when other classes are retired to the scrap heap. Further, the Laser has proved itself in very strong winds when other classes are reduced to wreckage. It never ceases to amaze me to see Lasers sailing in 40 knots plus.

Over the years, small changes have been made to the Laser to strengthen it as we sail in increasingly stronger winds. However, there is a limit to the number of changes that can be made before performance is affected.

## Mast and Boom

One particular area where strengthening is not possible without affecting performance is the mast. Any increase in strength of the mast would dramatically affect stiffness and therefore performance. This would be totally undesirable.

The Laser mast is produced to a high manufacturing standard in the aluminium trade for the specified wall thickness. Within this standard the Laser requirements demand an even tighter tolerance. Even with this high standard it is possible, when sailing, to stress the mast beyond its yield point which causes a permanent bend.

Some of the biggest causes of bending are sailing with a lot of boom vang on and:

- 1) capsizing at speed;
- 2) catching a wave with the boom end, either offwind or whilst gybing; or
- 3) sailing into the back of a wave causing rapid deceleration.

Recognising these causes tells us that it is very important to release the boom vang before sailing offwind, ideally just before you round the windward mark. In strong winds, this will reduce the risk of bending with the added advantage that you will open up the leech of the sail which is fast for offwind work! As a guide for letting off the boom vang, trim the mainsheet tight until the rear boom and traveller blocks are just touching then release the vang until there is no pressure on it.

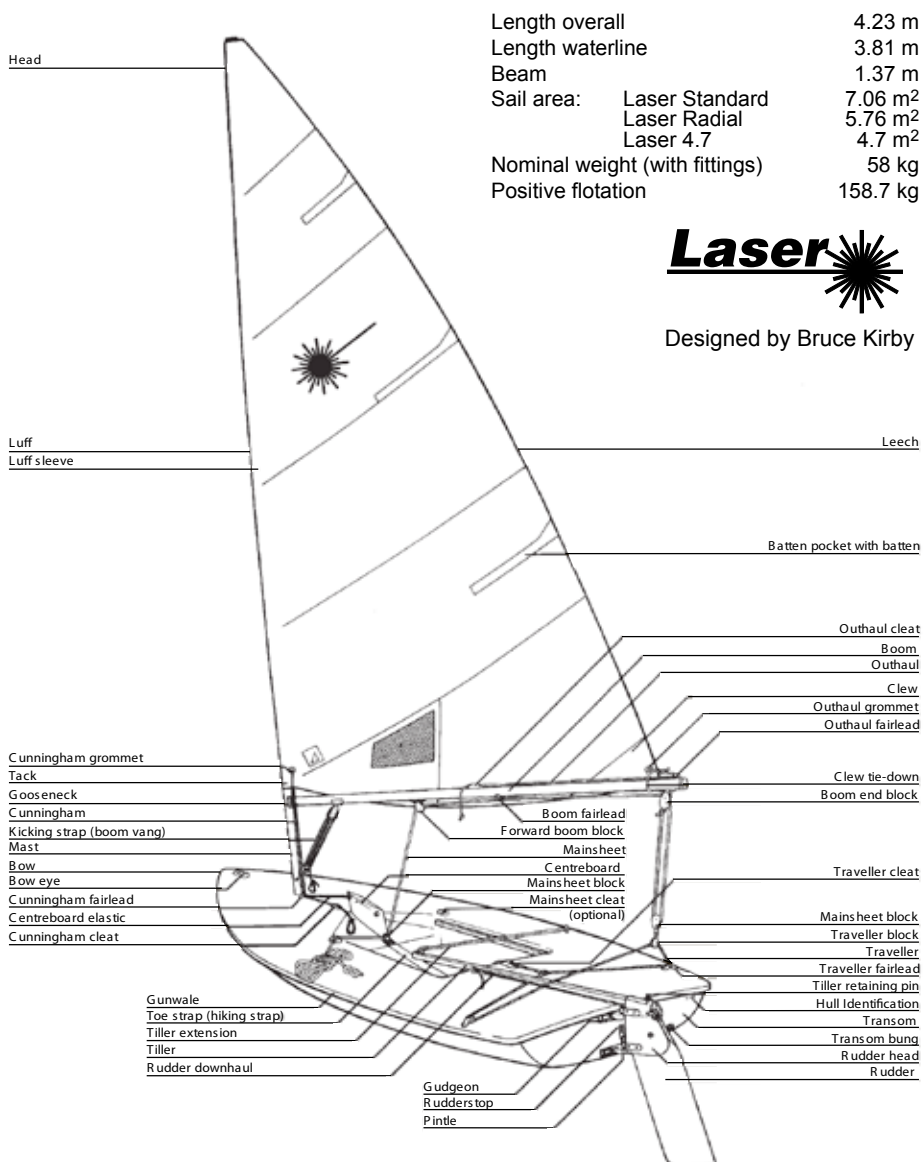


© Mark Lloyd

## Rudder and Tiller

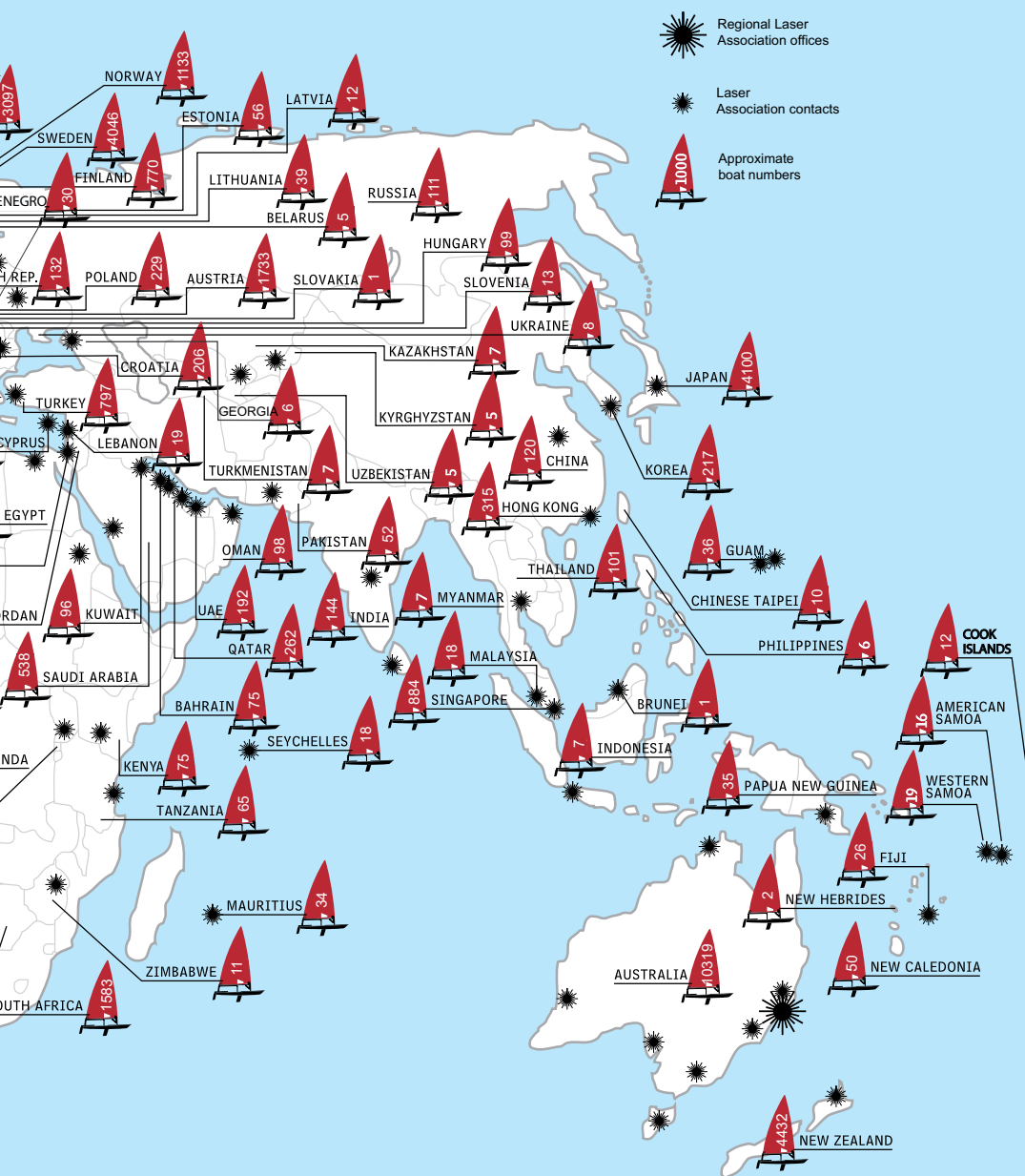
Rudders and tillers like everything else are not indestructible. On the very few occasions when we have seen damage to either the rudder or the tiller, it has been caused by trying to bear away at speed while the Laser is heeled to leeward. When a Laser is heeled over it takes on severe weather helm. If you try and bear away whilst heeled, you place great loads on the rudder and tiller. The simple answer is to bring the boat upright first before attempting to bear away. This can be done by either hiking more and/or releasing the mainsheet.

# Parts of the Laser





A map of the world showing the locations of 100 national sailing teams for the 2000 Sydney Olympic Games. Each team is represented by a red sailboat icon with a number on its sail, and a line connecting it to the country's name. The teams are distributed across all continents, with a high concentration in Europe and North America. The map includes labels for major countries and regions, and the sailboat numbers range from 1 to 100.



# Laser Class Rules - One Design

One of the attractions of the Laser for most owners is that the class rules are very strict and that the boat is one design. The Laser philosophy incorporated in the rules is that we want to go sailing, not waste time fiddling with boats. We want to win races on the water using our skill, not by trying to find a way round the rules that will give us an advantage.

The class rules are written to prevent any changes from the standard boat that might affect performance, so that on the water each boat is the same. The few changes to the standard boat that are allowed are minor and only to allow for a few options that make racing the Laser more comfortable and enjoyable.

Over the years the class has refused to make changes to the rules that allow more expensive or complicated equipment or which makes older boats redundant.

If you feel you want to change something on a Laser - STOP. Ask yourself why you want to do it? If the answer is "to make me go faster" there is a very good chance the modification or addition is illegal!

Take a look at the Laser Rules.

- Part One explains the Fundamental Class Rule which covers the philosophy and any item not specifically written into the rules.
- Part Two tells you what you must do to have a legal boat.
- Part Three details a few optional changes and additions you can make.

## If Part Three does not specifically allow a change or addition - IT IS ILLEGAL!

If you race a Laser that has a change or addition not allowed by the class rules you will be disqualified from the race. Ignorance of the rules is no defence.

## Cheating

In our sport in every club and class there is the odd person who needs to cheat to win. Cheating is doing something that you know is illegal. Whether you gain an advantage or not is irrelevant.

Our class is strong and popular because we believe in a strict one design and our sailors want to know that they are racing on equal terms. ILCA takes a very strong line with Laser sailors who do not sail according to the rules. There have been cases in the past where sailors who have sailed with illegal boats have been banned from sailing a Laser. Such a ban can be for life. If action is also taken under the racing rules, the ban can cover racing in any boat.

Our class is much bigger than the odd person who wants to gain advantage by illegally changing the Laser or its equipment. They can sail in other classes where the rules allow changes to a boat to get an advantage. We do not want them with us.

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# ILCA By-Law 1: Rules (Parts one to five inclusive)

Valid from 1st January 2016. Cancels all previous rules and interpretations.

## HISTORY:

### 1 January 2016

4(f) National Letters: updated wording with instructions for positioning of letters on new *MKII* sail.

### 1 February 2015

3(h) ii Traveller: A spliced eye allowed. Previous interpretation

4(h) National Flag: new rule adopting World Sailing standard position of flags when country flags are required by NoR (currently only at World Cup events organized by World Sailing).

10. Advertising: change to prohibit advertising or graphics on the sail window

14(d) Centreboard: allowing vertical cuts in the anti-wear strip at front of centreboard box. Previous interpretation.

15(k) Rudder: new rule allowing padding either side of the head of the rudder blade up to a max 20.3mm. Previous interpretation.

18(c) Boom and traveller blocks: new rule allowing the original blocks to be replaced by new "builder supplied" blocks. Most boats now supplied with new blocks.

26(c) Repairs and Maintenance: re-word to clarify "fixings". Previous interpretation.

## INTRODUCTION

The principle of the Laser Class Rules is that no changes to the boat are allowed unless they are specifically permitted by the class rules.

The English text of the Laser Class Rules shall govern.

## PART ONE

### OBJECT

The Laser is a strict one-design dinghy where the true test, when raced, is between helmspersons and not boats and equipment.

### FUNDAMENTAL RULE

The Laser shall be raced in accordance with these Rules, with only the hull, equipment, fittings, spars, sail and battens manufactured by a World Sailing and International Laser Class Association (ILCA) approved builder in strict adherence to the Laser design specification (known as the Construction Manual) which is registered with World Sailing.

No addition or alteration may be made to the hull form, construction, equipment, type of equipment, placing of equipment, fittings, type of fittings, placing of fittings, spars, sail and battens as supplied by the builder except when such an alteration or change is specifically authorised by Parts 2 or 3 of these Rules.

### HULL IDENTIFICATION

All Lasers shall have an identification number moulded into the deck under the bow eye or into the transom, which shall be either the sail number or a unique production number.

Lasers with sail numbers from 148200 shall display a unique World Sailing Building Plaque that has been purchased by the builder from the International Laser Class Association. The plaque shall display the sail number of the boat issued by the International Laser Class Association and shall be permanently fixed in the rear of the cockpit by the builder.

## DEFINITION OF BUILDER

A Builder is a manufacturer that has the rights to use a Laser trademark, is manufacturing the hull, equipment, fittings, spars, sails and battens in strict adherence to the Construction Manual, and has been approved as a Laser Builder by each of the International Sailing Federation and the International Laser Class Association.

## PART TWO

### 1. MEASUREMENT DIAGRAMS

The measurement Diagrams are part of these Rules.

The spars, sails, battens, centreboard, rudder, and the placing of fittings and equipment shall conform to the Measurement Diagrams. The measurement tolerances are intended to allow for necessary manufacturing tolerances and shall not be used to alter the design.

### 2. MEASUREMENT

In the case of a dispute alleging non-compliance with the Construction Manual, the matter, together with any relevant information, shall be referred to the Chief Measurer of the International Laser Class Association at the International Office who shall give a final ruling in consultation with a World Sailing Technical Officer.

In the case of a measurement dispute on the hull, spars, sail, battens, centreboard and rudder, rigging, type of fittings and equipment and the placing of same not explicitly covered by these Rules, Measurement Diagrams and Measurement By-Laws the following procedure shall be adopted:-

A sample of 10 other boats shall be taken and measured using identical techniques. The dimensions of the disputed boat shall be equal to, or between the maximum and minimum dimensions obtained from these 10 boats. If the boat in question is outside these dimensions the matter, together with any relevant information, shall be referred to the Chief Measurer of the International Laser Class Association at the International Office, who shall give a final ruling. If any of the dimensions of the sample are considered to be unusual, all relevant information shall be referred by the Class Association to World Sailing.

### 3. CONTROL SYSTEMS, CONTROL LINES AND FITTINGS

#### (a) Control System Definitions

i The Cunningham, outhaul, vang, traveller and mainsheet are the **Control Line Systems**. The Cunningham, outhaul and vang **Control Line Systems** may include more than one **Control Line** as allowed in Rules 3(d)i, 3(e)i and 3(f)i. Each **Control Line** shall be a single piece of uniform thickness and material. A line is a **Control Line** if any of the line moves along its axis during adjustment of the **Control Line System**. A line that exclusively attaches items together is a **Tie Line**.

ii For the purpose of these definitions, the **Standard Fittings** are the:-

Plastic cunningham fairlead  
Plastic cunningham clam cleat  
Mainsheet block  
Plastic outhaul clam cleat  
Plastic outhaul fairlead  
Vang cleat block  
Vang key block  
Vang key  
Plastic traveller fairleads  
Plastic traveller clam cleat

iii An "**Optional**" fitting is a fitting or block that replaces, or is additional to, a **Standard Fitting** as allowed by these Rules.

- iv A **"Builder Supplied"** fitting replaces a **Standard Fitting**, and is supplied only by the Builder, as allowed by these Rules.
- v A **"Turning Point"** is a sheave (pulley) in a block, a rope loop, a rope loop reinforced with a thimble, the outhaul fairlead, a shackle, part of a fitting, sail cringle, mast or boom around which a moving **Control Line** passes, **except that** the cunningham fairlead, the **"Optional"** blocks attached to the **"Builder Supplied"** deck block fitting, the cunningham clam cleat, and the **"Optional"** cam cleats attached to the **"Builder Supplied"** deck cleat base **will not be counted as "Turning Points"** in Rules 3(e) and 3(f).
- vi When an **"Optional"** block, or shock cord is **attached** to a fitting, line, mast, boom or the sail, it may be attached either with or without a shackle, clips, balls, hooks and/or a tie line.

**(b) Control Lines and Fittings**

- i. Control lines shall be natural or synthetic rope, except that aramid fibre (e.g. kevlar) is not permitted for the boom vang or cunningham control systems.
- ii. Control lines shall be of uniform thickness and shall not be tapered except for the purpose of a splice at the load bearing attachment point.
- iii. In a control line system where more than one control line is permitted, lines of different diameter shall not be joined together.
- iv. "Optional" blocks allowed in cunningham, vang or outhaul control systems, shall have sheaves of diameter not less than 15 mm and not more than 30 mm.  
Thimbles allowed to reinforce rope loops used as "Turning Points" in the cunningham, vang and outhaul control line systems shall not exceed 40mm in length.
- v. Only single or double "Optional" blocks shall be used. A single block means a block with one sheave; a double block means a block with two sheaves. "Optional" blocks may include a becket, a swivel and/or a shackle.
- vi. The plastic fairleads and plastic clam cleats may be replaced in the same position with an identical size and shape fitting made of metal.
- vii. The plastic cunningham fairlead may be replaced with one of the same type which has a stainless steel insert, and has the same screw hole positions.
- viii. "Builder Supplied" Deck Fittings (Deck Block Fitting and Deck Cleat Base)

- a) The cunningham fairlead may be replaced in the same position with a "Builder Supplied" deck block fitting which may have one or two single "Optional" blocks attached.



"Optional" blocks shall not be attached to the cunningham fairlead.

Either the cunningham fairlead alone, or the "Builder Supplied" deck block fitting with single "Optional" block(s) attached may be used to lead the cunningham and/or outhaul control lines to the deck cleat(s)

- b) The "Optional" deck blocks may be supported with a spring, ball, plastic tube or tape.
- c) The cunningham clam cleat may be replaced in the same position with a "Builder Supplied" deck cleat base for attaching two "Optional" cam cleats (cunningham and outhaul) which have

fixing hole centres of 27 mm. The two cam cleats may include a bridge and a fairlead with or without rollers on the aft exit.



- d) Control lines shall not be tied to any of the cunningham fairlead, the "Builder Supplied" deck block fitting and the "Optional" blocks attached to it, the cunningham clam cleat or the "Builder Supplied" deck cleat base and the "Optional" cam cleats, cleat bridge and fairleads attached to it.
- ix. Rope loop handles covered with plastic/rubber tube and/or tape may be included anywhere on the free end of a control line.
- x. The free ends of different control lines (except mainsheet) may be tied together and/or tied to any deck fitting or the centreboard, the centreboard handle or a rope loop used to attach a retaining line. Free ends of control lines shall not be tied to shock cord (except mainsheet).
- xi. To secure the mast in the event of a capsize, a loose retention line or shock cord (that will allow 180 degree plus mast rotation) shall be tied/attached between the cunningham fairlead or the deck block fitting and the mast tang or gooseneck. Clips, hooks, shackles and balls may be used to attach the retention line.
- xii Reference points (marks) may be placed on the deck, spars and ropes.

**(c) Mainsheet – also see Rules 3(a) & 3(b)**

- i. The mainsheet shall be a single line, and be attached to the becket of the aft boom block, and then passed through the traveller block, the aft boom block, boom eye strap, forward boom block and the mainsheet block. After the mainsheet block it shall be knotted, or tied, so that the end of the mainsheet cannot pull through the mainsheet block. The mainsheet shall not be controlled aft of the forward boom block except to facilitate a tack or gybe.
- ii. The tail of the mainsheet may also be knotted or tied to either the base of the mainsheet block, the hiking strap, the hiking strap support line, or the hiking strap shock cord. This option, if used, satisfies the knotting requirement in 3(c).
- iii. The mainsheet block may be replaced by any type of single block with or without an internal or attached jamming device, and mounted in the position shown on the measurement diagram. The block may be supported by a spring, ball, plastic tube or tape.
- iv. One mainsheet clam or cam cleat of any type may be mounted on each side deck in the position shown on the measurement diagram.

**(d) Vang – also see Rules 3(a) & 3(b)**

- i. The vang system shall be between the mast tang and the boom key fitting and shall be comprised of the vang cleat block, the vang key block, a maximum of two control lines, loops and/or "Optional" blocks for additional purchase with a **maximum of 7 "Turning Points"**.
- ii. The vang cleat block shall be attached directly to the mast tang, or to an "Optional" swivel that shall be attached to the mast tang.
- iii. A shackle may be used to attach the vang cleat block or the swivel to the mast tang.
- iv. The swivel, shackle or swivel/shackle combination shall not exceed 80 mm in length when measured under tension.

- v. The vang key block may be fitted with a spare key.
- vi. The key may be straight or bent, and it may be held in the key way with either tape, elastic or velcro.
- vii. The vang key block may be replaced with an "Optional" vang key block which may have a spare key.
- viii. "Optional" single blocks may be attached to one or both sides of the vang cleat block, using a clevis pin or bolt through the attachment hole in the vang cleat block.
- ix. The mast tang hole may be drilled to take a larger pin.
- x. "Builder Supplied" Vang Cleating Fitting
  - a) The vang cleat block may be replaced with a "Builder Supplied" vang cleating fitting which incorporates "Turning Points" and a cam cleat. These photos show the 2 Class legal "Builder Supplied" vang cleating fittings:



- b) The fitting shall be attached directly to the mast tang.
- c) The fitting shall not be modified in any way.

**(e) Cunningham – also see Rules 3(a) & 3(b)**

- i. The cunningham system shall consist of a maximum three control lines, "Optional" blocks or loops for purchase with a **maximum of 5 "Turning Points"**.
- ii. The cunningham control line shall be securely attached to any of the mast, gooseneck, mast tang, swivel or shackle that may be used to attach the vang cleat block to the mast tang, the cunningham attachment point on the "Builder Supplied" vang cleating fitting or the becket of an optional becket block fixed on the cunningham attachment point on the "Builder-supplied" vang.

The cunningham control line shall pass through the sail tack cringle as a moving line.

The sail tack cringle shall be at least one of the **maximum of 5 "Turning Points" permitted by Rule 3(e)**.

- iii. Additional purchases may be obtained using rope loops, "Optional" blocks and using any of the boom, sail tack cringle, gooseneck fitting, mast tang, shackle attaching vang cleat block or swivel, the swivel, or the cunningham attachment point on a "Builder Supplied" vang cleating fitting.

**iv. Deck Block Fitting and Deck Cleat Base**

The cunningham control line shall pass only once through the cunningham fairlead or "Optional" single block attached to the "Builder Supplied" deck block fitting and shall pass only once through the cunningham clam cleat or "Optional" cam cleat attached to the "Builder Supplied" deck cleat base.

**(f) Outhaul – also see Rules 3(a) & 3(b)**

- i. The outhaul system shall consist of a maximum of two control lines, "Optional" blocks or loops for purchase and a **maximum of 6 "Turning Points"**.
- ii. The outhaul control line shall be attached to either the end of the boom, the outhaul fairlead, the sail, or a quick release system, and shall pass through the boom outhaul fairlead as a moving line at least

once. The outhaul fairlead shall be at least one of the maximum of 6 "Turning Points" permitted by Rule 3(f).

- iii. Additional purchases may be obtained by forming rope loops in the line or adding "Optional" blocks to the line, and/or using the outhaul fairlead, the outhaul clam cleat, the boom, the mast or gooseneck fitting.

An "Optional" block may be attached to the outhaul fairlead, **provided** Rule 3(f)ii is also satisfied.

An "Optional" block may be attached to the outhaul clam cleat.

- iv. An "Optional" block may be attached to the clew of the sail, or to a quick release system, or be part of a quick release system.
- v. One or two "Optional" blocks may be attached to the gooseneck fitting, or at the mast/gooseneck junction with their "Turning Points" not more than 100mm from the centre of the gooseneck bolt. (The gooseneck may be inverted.) The blocks in this rule may also be attached to the gooseneck with a bolt or a pin.
- vi. A shock cord for use as an inhaul may be attached around the boom immediately in front of the outhaul cleat or to the outhaul cleat and then to the clew of the sail, the clew tie down, the optional block at the clew, the quick release system or through the clew of the sail and to an optional block in the primary control line.
- vii. Shock cord and/or rope loops (rope loops may be part of the control line) can be tied around the boom and/or the outhaul control lines to retain the outhaul lines close to the boom.
- viii. Deck Led Outhaul System

- a) When led to the deck, the outhaul control line shall pass only once through the cunningham fairlead or the outhaul "Optional" single block attached to the "Builder Supplied" deck block fitting and shall pass only once through the "Optional" cam cleat attached to the "Builder Supplied" deck cleat base.

- b) The boom outhaul clam cleat shall not be removed.

**(g) Clew Tie Down – also see Rules 3(a) & 3(b)**

- i. The clew of the sail shall be attached to the boom by either a tie line or a webbing strap with or without a fastening device wrapped around the boom and through the sail cringle, a quick release system attached to a tie line or soft strap wrapped around the boom, or a "Builder Supplied" stainless steel boom slide with quick release system. An additional outhaul extension tie line may be added between the clew of the sail and the outhaul or the quick release system.
- ii. If the clew tie down is a tie line, it may be passed through solid balls with holes and/or tubes to reduce friction.



**(h) Traveller – also see Rules 3(a) & 3(b)**

- i. The traveller shall be a single line. It shall be rigged as a simple closed loop through the traveller eyes and the free end passing through the traveller cleat. A splice that does not extend through the nearest traveller eye may be used at the non-free end.
- ii. A spring, ball or tape may be used between the traveller blocks.

#### 4. SAIL REGISTRATION NUMBERS, NATIONAL LETTERS AND NATIONAL FLAG

(For Laser Radial and 4.7 sail number positions please see part 4 rule 28(e) and 29(e))

- (a) For Lasers up to sail number 148199, the sail number is a number moulded into the deck under the bow eye or into the transom, or displayed on a plate attached to the rear of the cockpit.

For Lasers with sail numbers from 148200, the sail number is the number displayed on a unique World Sailing Building Plaque attached to the rear of the cockpit.

- (b) All numbers shall be in accordance with the Racing Rules of Sailing except as amended by these rules in respect of type, positioning and minimum dimensions:

Height 300 mm.

Width 200 mm (excluding number 1).

Thickness 45 mm.

Space between adjoining numbers minimum 50 mm.

Sail numbers shall be regularly spaced.

Numbers on the starboard side shall be placed above those on the port side.

Each sail number digit shall be of one colour only.

The sail numbers shall be solid and easy to read.

After 1st March 1998 - sail numbers and national letters shall only be adhesive numbers. The use of permanent ink pens or similar to mark numbers and national letters on the sail is prohibited.

- (c) For sails with numbers above 153000 and sails purchased after 1st June 1993 the sail numbers shall be glued or sewn on each side of the sail, with the bottom of the numbers on the starboard side of the sail placed along a line parallel to and 400 mm (+ or - 12 mm) below the seam at the middle batten pocket. The bottom of the numbers on the port side of the sail shall be placed on a line 400 mm (+ or - 12 mm) below and parallel to the bottom of the numbers on the starboard side of the sail. The starboard sail numbers shall commence 100 mm (+ or - 12 mm) from the leech and the port side numbers shall end 100 mm (+ or - 12 mm) from the leech.

*(Refer to sail number application diagram for procedure for applying sail numbers & letters)*

- (d) Sail numbers from 131000, sails purchased after 1st June 1993 and new sails stamped "New Numbers" shall have numbers that are clearly visible with the last four digits of the number in one dark, distinctive colour or black and any preceding numbers in a different, contrasting, distinctive colour (red is recommended).
- (e) Exceptions to this Rule are permitted:
- when the hull and/or sail are provided by the organisers for an event and after approval of the International Laser Class Association, the numbers on the sail used for that event only may be single, double or triple digit numbers.
  - in the case of a Laser borrowed or chartered for a specific event, and after written approval from the Race Committee, a competitor may use a sail with numbers that are different to the sail number allocated to the hull. The sail number used shall be the sail number allocated to the competitor's own Laser. When the competitor does not own a Laser, the number used on the sail shall be the number of the Laser chartered.
  - when a sail is damaged during a series and Rule 7 (c) applies the sail number may contravene Rules 4

(a) and (e) ii only when written permission for a sail number change is given by the Race Committee.

**National Letters**, if required, shall conform to the same type, size, spacing and requirements as sail numbers (refer rule 4(b), (c), (d) and (e)) and shall be positioned as follows (also see diagrams on pages 25-28):

The letters on the starboard side of the *MK/I* sail shall be placed along the top edge of the seam below the bottom batten pocket (+ or - 12mm), for the *MK/II* sail on a Base Line 400mm (+ or - 12mm) below the bottom batten pocket and on the port side of the sail along a line 400 mm (+ or - 12mm) below and parallel to the letters on the starboard side. The starboard letters shall commence 100 mm (+ or - 12 mm) from the leech and the port letters shall finish 100 mm (+ or - 12 mm) from the leech. The letters shall all be the same colour, which may be one of the colours of the digits of the sail number, or another distinctive colour.

National Letters shall be required at all World Championships, Regional Championships and events described as international events in the notice of race or sailing instructions. National Letters may be required at any other regatta by the notice of race or sailing instructions.

#### (g) RED RHOMBUS

- Sails used in the following women's events shall carry a red rhombus above the top batten pocket on both sides;
  - World or regional (continental) championships.
  - Events described as "international events" by the Notice of Race or Sailing Instructions.
  - Other events that prescribe in the Notice of Race or Sailing Instructions that women competitors should be identified.
- The minimum size and approximate position shall comply with diagram on page 29.
- The rhombus may be retained for racing in other events.

#### (h) NATIONAL FLAG

If required by the Notice of Race and the Sailing Instructions, a national flag with a nominal size of 567 x 337 mm shall be applied to both sides of the mainsail. For the Standard and Radial sails, flags shall be positioned such that the aft edge of the flag is within 100 and 150 mm of the leech and between the sail numbers and the batten pocket below the sail numbers. The flag shall be approximately parallel with the sail numbers and letters and shall not touch the numbers. For the 4.7 sail, the flag shall be positioned within 100 and 150 mm of the leech but below and within 50 mm of the bottom batten pocket. The flag shall be printed on separate material applied to the sail. The use of permanent ink pens or similar to make a national flag is forbidden. The national flag shall correspond to the national letters.

#### 5. MAST

No mast which has a permanent bend shall be used at any time.

#### 6. CLOTHING AND EQUIPMENT

- (a) In alteration of RRS 43.1 (b) the maximum total weight of competitors' clothing and equipment shall be 9kg (for Laser Radial and 4.7 rigs please see part 4).
- (b) Competitors shall not wear or carry non floating clothing or equipment which in total weight exceeds 500 grammes dead weight except protective sailing clothing.

- (c) For the purposes of weighing clothing and equipment as required by RRS Appendix H three coat hangers may be used instead of a rack.

## 7. SAILING REQUIREMENTS

- (a) The Laser shall be raced with either one or two persons aboard.

When two persons race a Laser they shall race together throughout the entire race or series of races without alternating at the helm.

- (b) No part of the helmsman or crew may be placed forward of the mast while racing.

- (c) Sails

In a series of races a sail shall not be changed for another unless written permission for an individual change is obtained from the race committee. Written permission shall only be given in the event of a sail damaged beyond repair or damaged to the extent that it cannot be repaired before the start of the next race in a series. In the event of a change the damaged sail shall not be used again in that series even if it is subsequently repaired.

For the purpose of this rule, a series is deemed to be two or more individual races which count towards an overall points total.

## 8. HULL COATINGS

The use of slowly soluble applications which might alter the boundary layer characteristics of the hull are prohibited.

## 9. CLASS ASSOCIATION MEMBERSHIP

No person is permitted to race a Laser in any Fleet, InterFleet, District, or other sanctioned event unless at least one member of the crew is a current member of the International Laser Class Association (a member of a District Laser Association duly established in accordance with the Constitution is a member of the International Laser Class Association).

## 10. ADVERTISING

Advertising, including competitor advertising, is permitted in accordance with ISAF Regulation 20 - Advertising code; except that the sail window shall be kept free of advertising or other graphic material. Note: For information about placing advertising on sails, including diagrams, see:

[www.laserinternational.org/info/regulation20advertisingcode](http://www.laserinternational.org/info/regulation20advertisingcode)

# PART THREE

## OPTIONS & EXCEPTIONS TO PARTS ONE & TWO

## 11. HULL FINISH

- (a) Waxing, polishing and fine wet and dry sanding of the hull is permitted, provided the intention and effect is to polish the hull only. Polishing/sanding shall not be used to remove mould imperfections.
- (b) Sanding and refinishing of the hull with the intention or effect to lighten the hull or improve the performance, finish, materials or shape beyond the original is not permitted.

## 12. TRANSOM DRAIN BUNG

A retaining line may be attached to the transom drain bung and the gudgeon.

## 13. SELF BAILER

A self-bailing device as supplied only by the builder may be added. The bailer may be sealed with tape, filler or glue along its edge where it joins the hull and at the screw hole. Filling the screw hole level with the flat surface of the bailer is permitted. Fairing the flat surface of the bailer to the hull shape or changing the profile of the bailer is not permitted. The drain bung may be removed from the self-bailer, and

the self bailer opening pin may be secured to the cockpit floor with self adhesive plastic tape. The builder-supplied o-rings may be substituted with non builder-supplied alternatives provided the basic function of the bailer is unchanged.

## 14. CENTREBOARD

- (a) A rope handle passing through not more than two holes of maximum diameter 12.5 mm above a line drawn from the bottom of the centreboard stop, parallel to the top of the centreboard is permitted. A plastic/rubber tube and/or tape are permitted on the handle of the centreboard.
- (b) The trailing edge of the centreboard may be sharpened by sanding the blade between the trailing edge and a line 100 mm parallel to the trailing edge, provided the distance between the leading edge and the trailing edge of the blade is not reduced.
- (c) Surface refinishing of the centreboard is permitted provided the original shape, thickness and characteristics are not altered.
- (d) One layer of any material of maximum 2mm thickness and of a maximum size of 30mm x 30mm may be applied at the top front corner of the centreboard case. Vertical cuts are allowed in the material to allow the material to conform to the shape of the centreboard case.
- (e) A wood centreboard shall not be used on a hull that was originally supplied with a non wood centreboard.
- (f) A tie line or shock cord shall be attached to the small hole in the upper forward corner of the centreboard, and any of the bow eye, the cunningham fairlead, the "Builder Supplied" deck block fitting and the mast to prevent loss of the centreboard in event of a capsized. The tie line or shock cord may be looped around the bow, but shall not be attached to the gunwale. Attachment can be by knots or loops in the shock cord, and/or tie lines, shackles, clips, hooks or eyes. When the shock cord is attached to the bow eye it may also pass through an attachment to the "Builder Supplied" deck block fitting or the cunningham fairlead.
- (g) The components of the "Builder Supplied" centreboard stopper may be secured together by glue, screws, bolts, nuts and washers, provided the original shape and dimensions are not reduced.

## 15. RUDDER

- (a) The trailing edge of the rudder blade may be sharpened by sanding the blade between the trailing edge and a line 60 mm parallel to the trailing edge, provided the distance between the leading edge and the trailing edge of the blade is not reduced.
- (b) Surface refinishing of the rudder blade is permitted provided that the original shape, thickness and characteristics are not altered.
- (c) The rudder blade and/or rudder head holes may be enlarged up to a maximum diameter of 10mm. The rudder bolt and bush set may be replaced with a larger diameter bolt to fit this hole. The bolt head, nut and washers shall fall within a 20mm diameter circle.
- (d) To achieve the maximum 78 degree rudder angle relative to the bottom edge of the rudder head, the leading edge of the blade may be cut away where it touches the spacing pin.
- (e) To restrict the rudder angle to maximum 78 degrees relative to the bottom edge of the rudder head,



the lower forward spacing pin shall be wound with flexible adhesive tape.

- (f) The rudder pintles may be fitted with spacers to lift the rudder head to allow the tiller to clear the deck at the transom.
- (g) The rudder downhaul line may have multiple purchases.
- (h) A hole may be drilled in the top rudder pintle and a pin or clip inserted in the hole to prevent loss of the rudder.
- (i) A wood rudder shall not be used on a hull that was originally supplied with a non wood rudder.
- (j) The rudder shall be maintained in the full down position except whilst racing in water less than 1.5m deep unless otherwise specified in the sailing instructions.
- (k) Padding of uniform thickness may be used in the gap between the rudder blade and rudder head. This padding must cover completely the part of the rudder blade that comes in contact with the rudder head. The thickness of the rudder blade plus the padding must not exceed 20.3mm.

## 16. TILLER

- (a) The tiller and tiller extension are not restricted in any way except that the tiller:
  - i. shall be capable of being removed from the rudder head.
  - ii. shall be fitted with a cleat, hook, pin or eye to secure the downhaul.
  - iii. shall, except for normal wear caused by the traveller rope, be straight along its topmost edge between a point 30 mm in front of the forward edge of the rudder head and the cockpit end of the tiller.
- (b) The tiller may be fitted with an "anti wear" strip or tube of not more than 200 mm in length placed above the level of the straight edge required by 16 (a) iii and only where the traveller crosses the tiller.
- (c) The use of a tiller retaining pin is optional.

## 17. HIKING STRAP

- (a) The hiking strap may be substituted with any type of non-stretch material and it may be padded.
- (b) The hiking strap may be fixed to the cockpit at the

forward end by wrapping the strap around the mainsheet block plastic pressure plate or by using both the centreboard friction attachment plate and the mainsheet block plastic pressure plate.

- (c) The hiking strap supporting line between the aft end of the hiking strap and the eye straps on the aft face of the cockpit may be rigged in any manner so that the hiking strap is fixed or adjustable.
- (d) A shock cord may be attached between the aft end of the hiking strap and to either the traveller cleat, or the hiking strap eye straps at the aft end of the cockpit.

## 18. BOOM

- (a) A metal sleeve supplied by the builder of maximum length 900 mm may be fixed inside the boom. The sleeve shall not extend aft of the point 1220 mm from the front end of the boom (including plug).
- (b) The stainless steel mainsheet eye strap between the two blocks on the boom may be replaced with a soft strap. The maximum width of the soft strap shall be 26mm. The soft strap shall only be fixed to the boom using the holes drilled by the builder as shown in the diagram below.
- (c) Traveller and Boom mounted mainsheet blocks may be replaced with the "Builder Supplied" blocks shown in the photo.



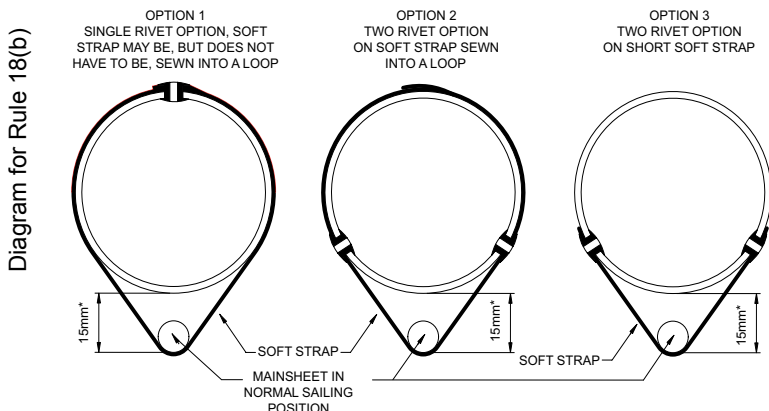
## 19. MAST

- (a) To prevent abrasion of the mast step, a tube or collar of uniform thickness not exceeding 1 mm may be placed around the entire circumference of the lower mast or the mast step cavity. The tube or collar shall not extend more than 10 mm above deck level.

In addition, a disc of uniform thickness not exceeding 1mm in thickness may be placed in the bottom of the mast step.

- (b) The mast or mast cavity may be lubricated.
- (c) Tape or other bushing material may be applied to both the plastic end cap, the collar of the upper mast and the upper mast to ensure a snug fit. The

### CROSS SECTIONS THROUGH BOOMS AND SOFT STRAPS SHOWING THE ONLY LEGAL FIXING OPTIONS



NOTES:  
1. 15mm DIMENSION MARKED \* IS NOMINAL  
2. HOLES FOR OPTIONS 2 AND 3 ARE POSITIONED TO FIT THE ORIGINAL STAINLESS STEEL EYE STRAP  
3. NO RIVET SHALL BE DRILLED WITH THREE HOLES AT THE BOOM STRAP POSITION

tape or bushing material may only be used on that portion of the plastic parts that actually slide into the lower section and/or between the upper mast and the collar and it shall be a uniform thickness around the circumference. Taping or bushing material above the collar to fair the collar into the mast is prohibited.

- (d) Flexible adhesive tape may be applied to the outside of the joint of the upper and lower mast sections to a limit of 40mm above and below the joint to prevent rotation of the mast sections at the joint.

## 20. INSPECTION PORTS

Inspection ports not exceeding 153 mm internal diameter may be installed on the deck or in the cockpit to provide access to the hull cavity, provided that any inspection port is fitted with watertight threaded covers (any bayonet mounted parts are deemed to be not threaded).

Storage receptacles are permitted underneath hatch covers.

## 21. CLIPS AND STORAGE BAGS

Clips, ties or bags to stow or secure safety or other equipment may be used on the deck, in the cockpit, around the mast or boom.

## 22. COMPASS

(a) Any compass is permitted mounted on any part of the deck or the cockpit, provided that the hull cavity is not pierced by anything other than the fasteners. Compasses shall not be fitted to inspection ports. Electronic and digital compasses are prohibited (see exception in part d).

(b) Any use of electronic equipment not specifically allowed in the rules is prohibited unless modified in the sailing instructions.

(c) Timing devices are permitted.

(d) A timing device that includes an electronic compass is permitted as long as it is worn on the wrist.

## 23. WIND INDICATORS

(a) Wind indicators may be attached as desired provided the sail is not cut and the buoyancy qualities of the hull and mast are not impaired.

(b) Ribbons, wool or similar wind indicators may be attached to the sail.

## 24. TAPE AND LINE

The use of flexible adhesive tape or similar or line is permitted to secure shackle pins and clips, and to bind sheets, control lines and rigging, except that tape or line shall not be used to construct new fittings or modify the function of existing fittings.

## 25. SAFETY EQUIPMENT

Any additional equipment required by an international, national or other governing authority for safety purposes may be fitted or carried provided it is not used in contravention of the FUNDAMENTAL RULE.

## 26. REPAIRS AND MAINTENANCE

(a) Repairs and preventative maintenance to the sail, hull, deck, centreboard, rudder, mast, boom or any fittings and fixings may be carried out without violation of these Rules provided such repairs are made in such a way that the essential shape, characteristics or function of the original are not affected.

(b) In the event of the failure of any fittings, or the replacement of fittings as authorised by these Rules, the fitting or the replacement shall be the same type as the original and shall be placed in a position conforming to the Measurement Diagrams.

(c) Preventative maintenance includes the replacement of fasteners (screws, bolts, nuts, washers and rivets)

provided the replacement does not alter the function of the fitting. The tolerances of the Measurement Diagrams shall not be used to alter the position of fittings. In addition the reversing of spars is permitted if the fittings are replaced in accordance with the Measurement Diagrams. Any holes in the top section of the mast shall be permanently sealed with a rivet or similar to maintain the buoyancy of the mast. .

(d) Sail panels and luff sleeves shall not be replaced.

(e) Any flotation equipment (flotation foam blocks or Cubitainer inserts) that is defective or has been removed shall be replaced by fully air filled, builder supplied, Cubitainer inserts which shall have an equal volume to the defective or removed flotation equipment.

(f) The use of lubricants is unrestricted except that they shall not be used on the hull (below the gunwales).

## 27. REEFING

The sail may be reefed by rolling the sail around the mast 1 or 2 times.

# PART FOUR LASER RADIAL RIG AND LASER 4.7 RIG OPTIONS

Part 4 of the Laser Class Rules shall be read in conjunction with the remainder of the Laser Class Rules.

When the Laser Radial or the Laser 4.7 rigs are used the Rules of Parts 1, 2, 3 and 5 of the Laser Class Rules apply except where specifically amended by Part Four.

## 28. LASER RADIAL

(a) The Laser Radial sail and bottom mast as supplied by an approved Builder shall conform to the measurement diagrams which form part of these Rules.

(b) The Laser Radial rig may be used in any Laser regatta subject to the conditions in 28 (c) and any restrictions in the Notice of Race and Sailing Instructions.

(c) The Laser Radial rig may only be used in District Championships and higher level regattas when prescribed in the Notice of Race and Sailing Instructions.

(d) In a series of races a Laser Radial rig shall not be changed for a Laser or Laser 4.7 rig. A series is 2 or more races that count towards an overall points total.

(e) SAIL REGISTRATION NUMBERS & NATIONAL LETTERS

Rules 4(c) and (f) shall be amended to read as follows:

4(c) For Laser Radial sails with numbers above 153000 and sails purchased after 1st June 1993 the sail numbers shall be glued or sewn on each side of the sail, with the bottom of the numbers on the starboard side of the sail placed along a line parallel to and 400 mm (+ or - 12 mm) below the underside of the middle batten pocket. The bottom of the numbers on the port side of the sail shall be placed on a line 400 mm (+ or - 12 mm) below and parallel to the bottom of the numbers on the starboard side of the sail. The starboard sail numbers shall commence 100 mm (+ or - 12 mm) from the leech and the port side numbers shall finish 100 mm (+ or - 12 mm) from the leech.

*(Refer to sail number application diagram for procedure for applying numbers & letters)*

4(f) **National Letters**, if required, shall conform to the same type, size, spacing and requirements as sail numbers (refer rule 4(b), (c), (d) and (e)) and shall be

positioned as follows (also see diagram):

The top of the letters on the starboard side of the sail shall be placed on the bottom edge of the bottom batten pocket and its extension (+ 12 mm). The starboard letters shall commence 100 mm (+ or - 12 mm) from the leech. The bottom of the letters on the port side shall be placed on a line 400 mm (+ or - 12 mm) below and parallel to the bottom of the letters on the starboard side of the sail. The port letters shall finish 100 mm (+ or - 12 mm) from the leech. The letters shall all be the same colour, which may be one of the colours of the digits of the sail number, or another distinctive colour.

National Letters shall be required at all World Championships, Regional Championships and events described as international events in the notice of race or sailing instructions. National Letters may be required at any other regatta by the notice of race or sailing instructions.

**(f) CLOTHING AND EQUIPMENT**

Rule 6(a) shall be amended to read as follows:

**6(a)** For the purposes of RRS 43.1 (b) the maximum total weight of competitors clothing and equipment shall be 9 kg.

**29. LASER 4.7**

**(a)** The Laser 4.7 sail and bottom mast as supplied by an approved Builder shall conform to the measurement diagrams which form part of these Rules.

**(b)** The Laser 4.7 rig may be used in any Laser regatta subject to the conditions in 29 (c) and any restrictions in the Notice of Race and Sailing Instructions.

**(c)** The Laser 4.7 rig may only be used in District Championships and higher level regattas when prescribed in the Notice of Race and Sailing Instructions.

**(d)** In a series of races a Laser 4.7 rig shall not be changed for a Laser or Laser Radial rig. A series is 2 or more races that count towards an overall points total.

**(e) SAIL REGISTRATION NUMBERS**

Rules 4(b), 4(c) and 4(f) shall be amended to read as follows:

**4(b)** On Laser 4.7 sails all numbers shall be in accordance with the Racing Rules of Sailing and shall be of the following minimum dimensions:

Height 220 mm.

Width 150 mm excluding No.1.

Thickness 30 mm.

**Note: Optimist Class legal numbers conform to this rule.**

**The maximum height to conform is 240mm.**

Space between adjoining numbers / letters and rows minimum 30 mm.

Sail numbers shall be regularly spaced.

Numbers on the starboard side shall be placed above those on the port side.

Each number digit shall be one colour only.

The numbers shall be solid and easy to read.

**4(c)** For Laser 4.7 sails with numbers above 153000 and sails purchased after 1st June 1993 the sail numbers shall be glued or sewn on each side of the sail, with the bottom of the starboard numbers placed along the top edge of a line placed 270mm (0 to +12mm) below and parallel to the seam below the bottom edge of the middle batten pocket.

The port side numbers shall be placed along a line 270mm below and parallel to the bottom of the starboard side numbers. The starboard side numbers shall commence 100 mm (+ or - 12 mm) from the leech and the port side numbers shall end 100 mm (+ or - 12 mm) from the leech.

**(Refer to sail number application diagram for procedure for applying numbers & letters)**

**4(f)** National letters, if required, shall conform to the same type, size, spacing and requirements as Laser 4.7 numbers (refer rule 28 (e) 4 (b)).

For all Laser 4.7 sails with numbers from 190000, and for sails purchased from 1 April 2006 onwards, The bottom of the starboard side letters shall be placed along a line 270mm (+12mm) below and parallel to the bottom of the numbers on the port side and start 100mm (+ or -12mm) from the leech. The bottom of the letters on the port side shall be placed along a line 270mm (+12mm) below and parallel to the bottom of the letters on the starboard side and finish 100mm (+ or -12mm) from the leech.

For Laser 4.7 sails with numbers under 190000 that were purchased before 1 April 2006, they may be placed as above or along the same line, 270mm below and parallel to the bottom of the numbers on the port side, on opposite sides of the sail. The letters on the port side shall be closer to the leech than those on the starboard side, with the port side letters finishing 100mm (+ or - 12mm) from the leech.

National Letters shall be required at all World Championships, Regional Championships and events described as international events in the notice of race or sailing instructions. National Letters may be required at any other regatta by the notice of race or sailing instructions.

The letters shall all be the same colour, which may be one of the colours of the digits of the sail number, or another distinctive colour.

**(f) MAST**

Rule 5 shall be amended to read as follows:

**5** The Laser 4.7 bottom mast is supplied with a pre-bend aft of approximately 5 degrees. The pre-bend shall not be increased or decreased. No top mast that has permanent bend in it shall be used at any time.

**(g) CLOTHING AND EQUIPMENT**

Rule 6(a) shall be amended to read as follows:

**6(a)** In alteration of RRS 43.1 (b) the maximum total weight of competitors clothing and equipment shall be 8 kg.

## PART FIVE

### 30. AMENDMENTS

Amendments to these Rules shall be approved by each of:

- (a)** the World Council,
- (b)** the Advisory Council,
- (c)** at least two thirds of the membership replying in writing to the International Office of the Class in response to a postal ballot published by the International Office of the Class. Only those postal votes returned to the International Office within 6 months from the date of publication of the rule change shall be valid, and
- (d)** World Sailing.

# Class Rule Interpretations

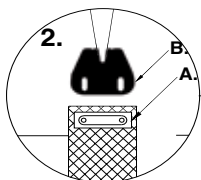
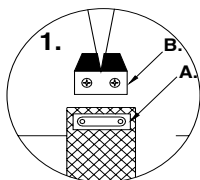
1. Solid block: Interpretation to Rule 3(a)v regarding turning point: A block with a solid sheave is allowed.
2. Clam cleats: Interpretation to 3(b) vi. Clam Cleats® of identical overall size and shape with attachment points are allowed.
3. Mast abrasion prevention: Interpretation to rule 19 a. The tube or collar may be in two separate pieces in both the lower and upper locations as long as the total thickness does not exceed 1mm.



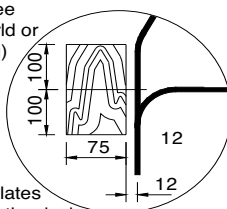
## Measurement Diagrams (pages 43 to 49 part of class rules)

All dimensions shown in millimetres

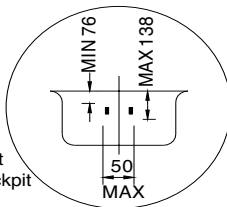
Measurements are shown only as a guide to replacement in the event of failure.



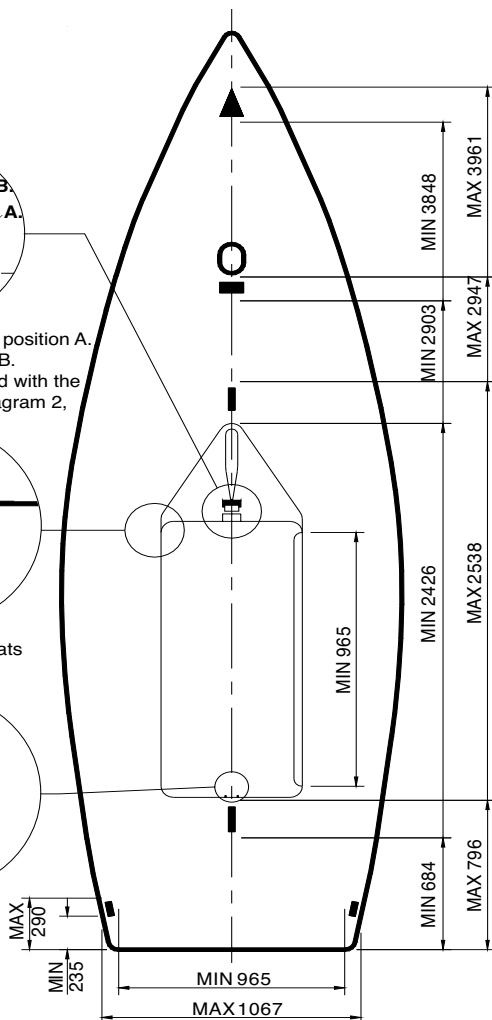
Mainsheet block shall be attached to eyestraps in position A. Centreboard Brake shall be attached in position B. Centreboard Brake in diagram 1 may be replaced with the builder supplied Centreboard Brake shown in diagram 2, available mid/late 2009 (see December 2008 LaserWorld or [www.laserinternational.org](http://www.laserinternational.org))



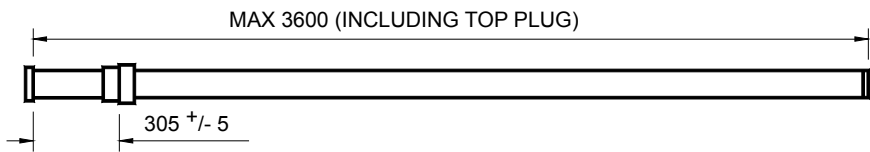
Wooden backing plates are under the deck for the fitting of cam or clam cleats



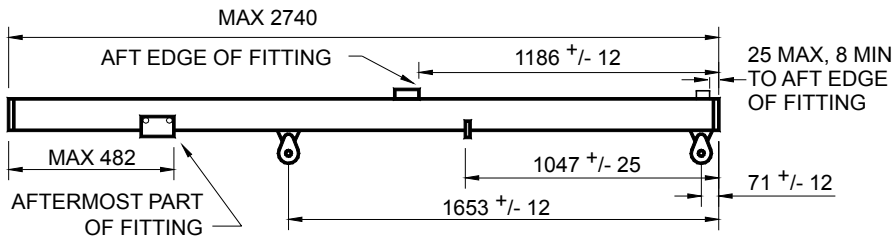
Eyes at aft end of cockpit



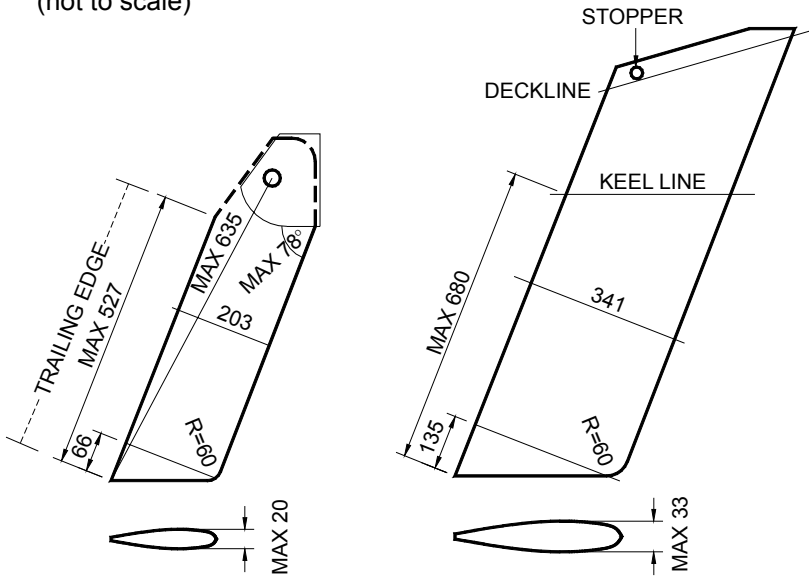
LASER, LASER RADIAL & LASER 4.7 MAST TOP SECTION



LASER, LASER RADIAL & LASER 4.7 BOOM

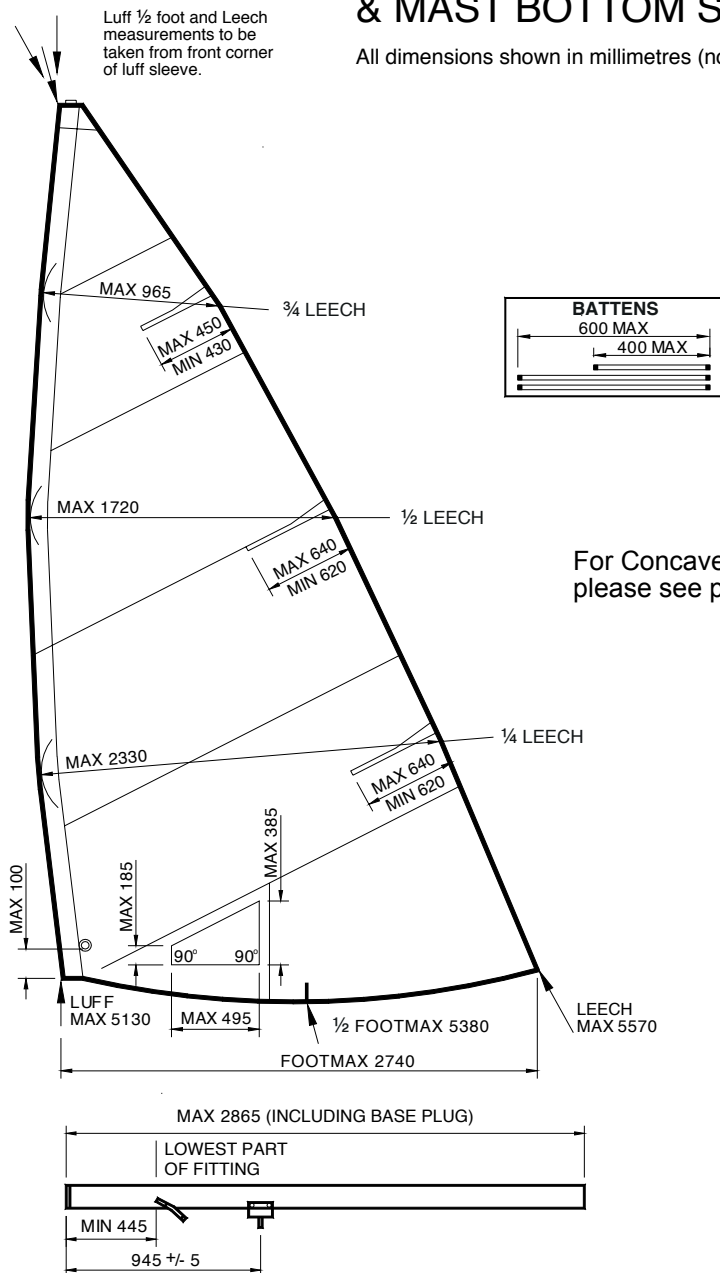


All dimensions shown  
in millimetres  
(not to scale)



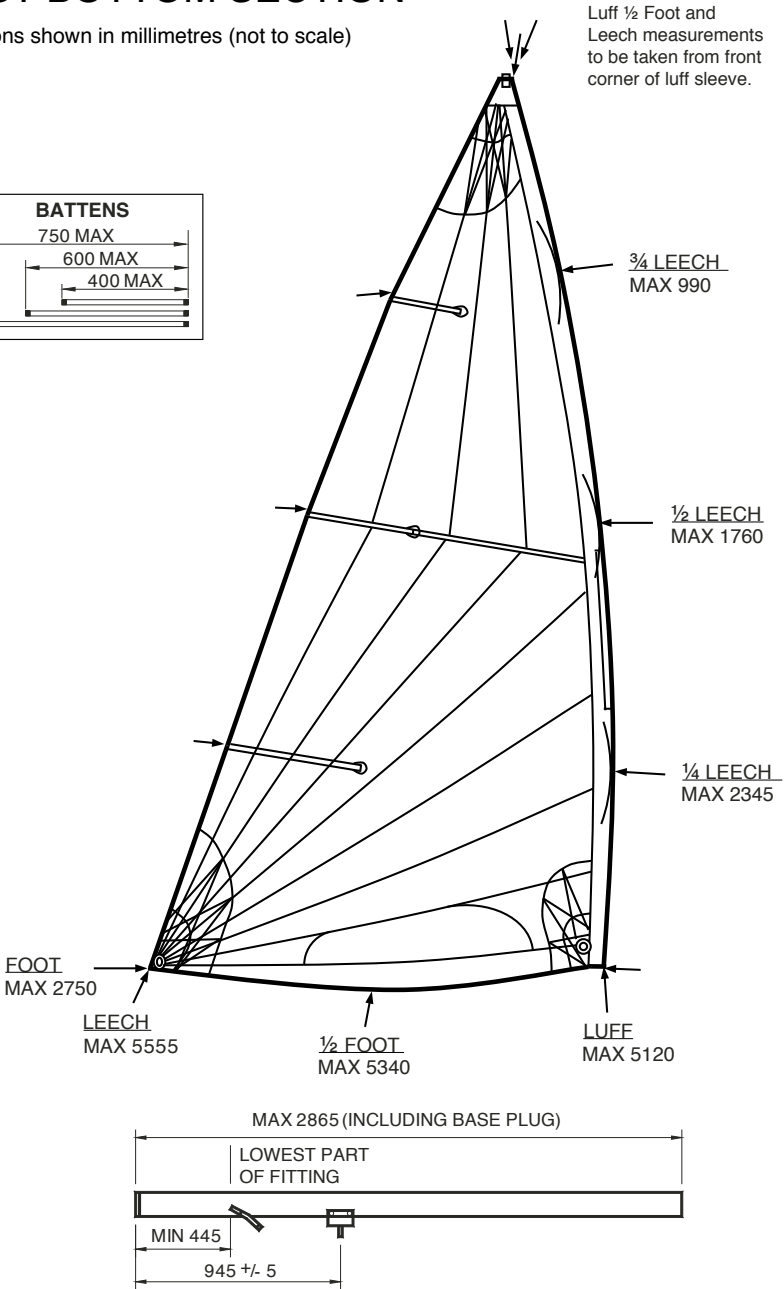
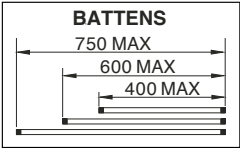
# LASER STANDARD MKI SAIL & MAST BOTTOM SECTION

All dimensions shown in millimetres (not to scale)



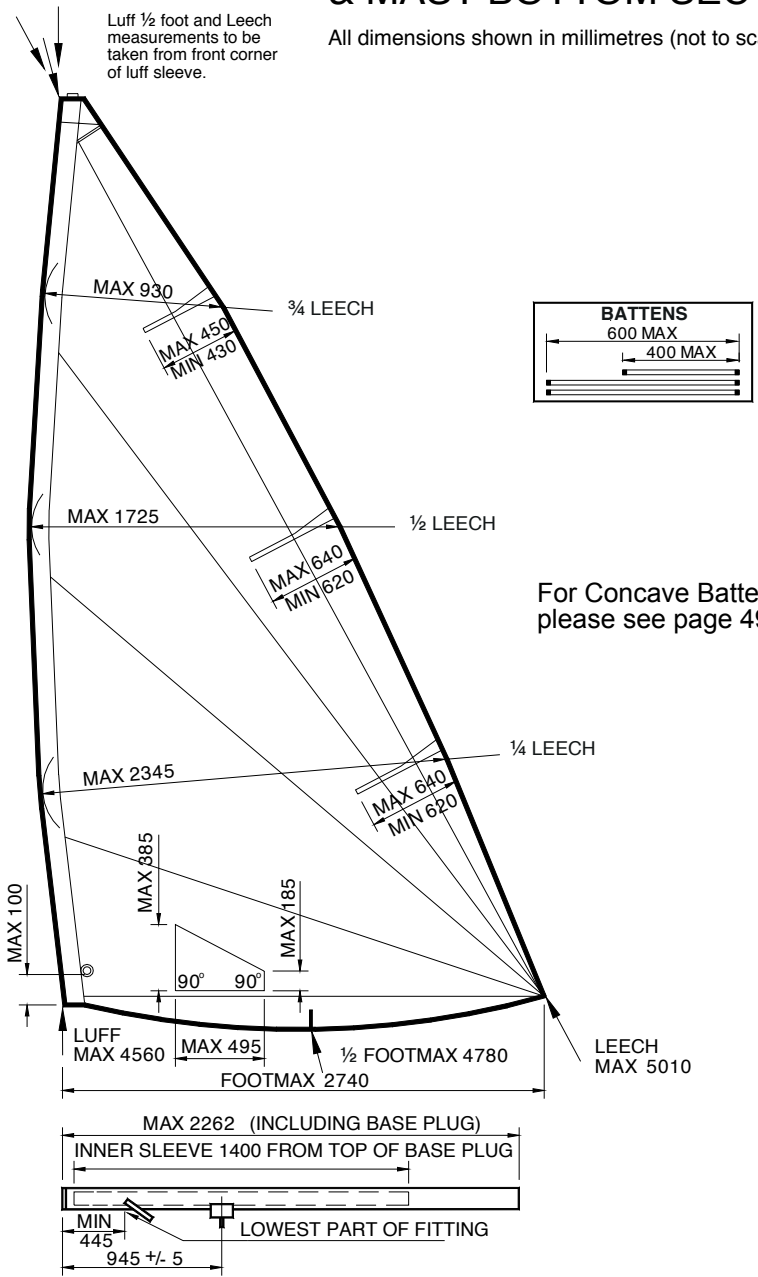
# LASER STANDARD MKII SAIL & MAST BOTTOM SECTION

All dimensions shown in millimetres (not to scale)



# LASER RADIAL SAIL & MAST BOTTOM SECTION

All dimensions shown in millimetres (not to scale)

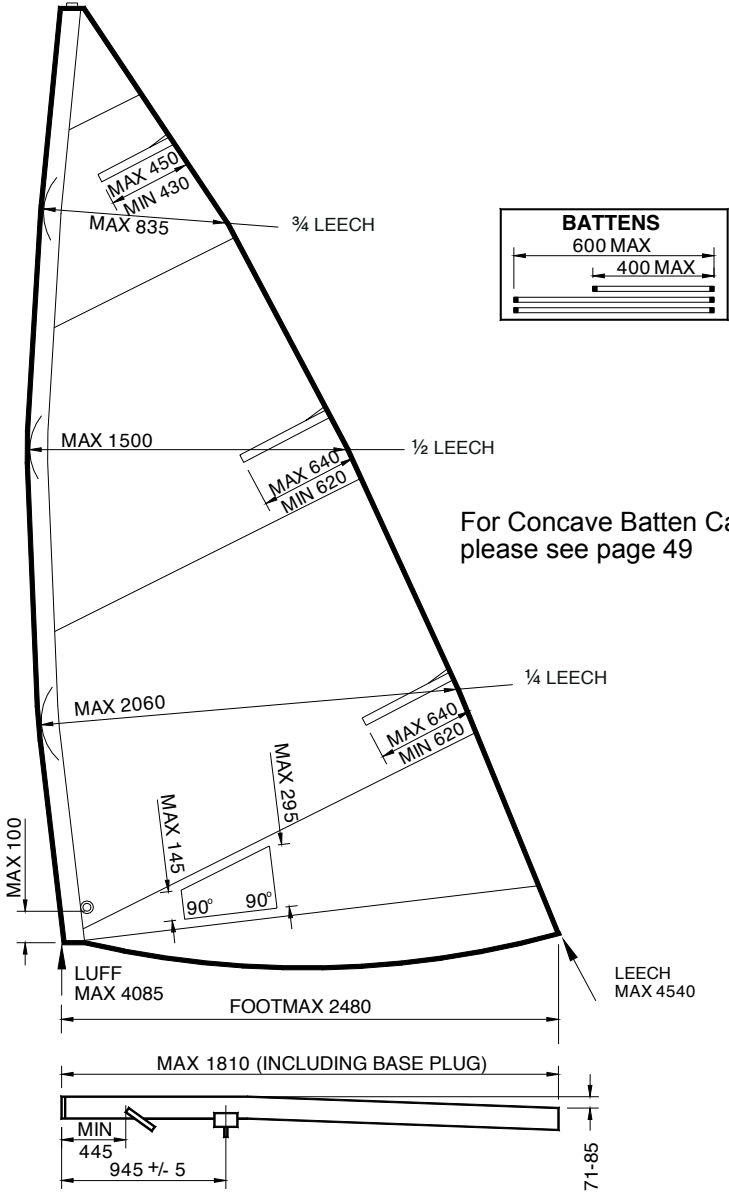




# LASER 4.7 SAIL & MAST BOTTOM SECTION

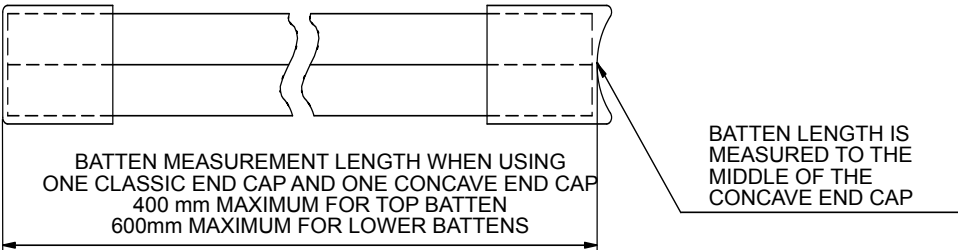
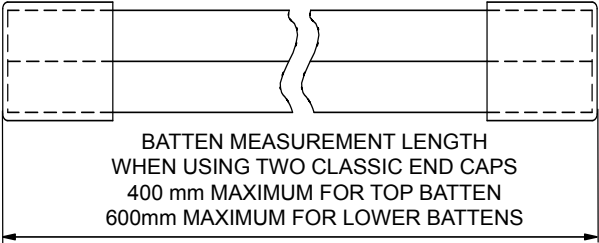
All dimensions shown in millimetres (not to scale)

Luff and Leech measurements to be taken from front corner of luff sleeve.



# Concave Batten Caps

The diagrams below illustrate the methods to be used for the measurement of battens using both classic and concave end caps. Please see pages 45-48 for full sail and bottom section diagrams.



# ILCA By-Law 2: District General By-Law

## 1. NAME

The name of the District Association shall be the (Name or Geographic Designation) ..... Laser Association and it shall have its offices at Address ..... in the City of .....

## 2. OBJECTS

The objects of the District Association are

- (a) to provide a medium of exchange of information among Laser Sailors in the District;
- (b) to promote and develop Laser Class racing within this District;
- (c) to encourage and foster the enjoyment of the sporting and recreational aspects of sailing through the development of fleets within the District; and
- (d) to co-ordinate the activities of this District with other Districts within the Region.

## 3. FLEET CHARTERS

- (1) A fleet may be granted a Fleet Charter upon application to the District Association by six or more persons who are members of the International Laser Class Association and who are individual owners of Lasers within an area or club deemed appropriate having regard to locality where regular racing activity is easily accessible to members of that Fleet.
- (2) Notwithstanding Paragraph (1), a special Fleet may be chartered in any locality for the purposes of accommodating specific members of the armed forces, an educational institution, a junior programme or any other non-profit organisation.
- (3) A Fleet Captain, and such other officers if any as the Fleet may deem necessary, shall be elected annually from among the members of the Fleet in such manner as is prescribed by the Fleet, unless otherwise provided by a By-Law of the District Association, and shall be responsible to the District Association for the organisation of the Fleet and the due compliance by the members of the Fleet with the provisions of the Constitution and By-Laws of the Association.

## 4. ASSOCIATION OFFICERS

The District Association shall be comprised of a

- (a) District Chairman who shall be responsible for the co-ordination of all activities of the District Association within the District, shall represent the District at Annual Meetings of the Region in accordance with the Constitution of the International Laser Class Association, shall chair all Annual Meetings of the District Association, and shall otherwise perform the normal functions of the senior officer within the District;
- (b) District Vice Chairman who shall act in the place instead of the Chairman in the event of his inability or refusal to act and in addition he shall be the Sailing Secretary of the District and be responsible for the development of District racing programmes of all kinds, the supervision of sanctioned events, and co-ordination with other Sailing Secretaries of all inter-District racing;

- (c) District Secretary who shall be responsible for maintaining all membership and other records and correspondence of the District Association, the preparation of the District Newsletter, if any, and shall otherwise carry out such responsibilities as may be assigned to him by the District Chairman;
  - (d) District Treasurer who shall be responsible for determination of the entitlement of applicants to membership in accordance with Paragraph 10 of the Constitution, the collection of dues to be levied for membership in accordance with Section 11 of the said Constitution, the maintenance of all accounts to the District membership thereon and preparation of an annual financial statement for the membership; and
  - (e) District Measurer, if one is appointed by the Chief Measurer of the International Laser Class Association, who shall carry out the responsibilities set forth in subparagraph (6) of paragraph 8 of the Constitution.
5. The District Association may appoint such additional officers to perform such duties or to carry out such special projects as may from time to time be determined by the District Association and they shall hold office for such term as it may determine.
6. The District Association may appoint such committees, as may be deemed appropriate from time to time to carry out the functions and duties as are prescribed by the District Association; and the District Chairman shall be a member ex-officio of any committee so established.
- ## 7. ANNUAL MEETINGS AND ELECTION TO OFFICE
- (1) The District Association shall hold an Annual Meeting at such time as may be determined by resolution of the District Association, but not later than fifteen months from the date of the last Annual Meeting.
  - (2) Notice of the Annual Meeting shall be sent to all members of the District Association not less than fourteen days prior to the Meeting and such notice shall include:
    - (a) an agenda for the said Meeting,
    - (b) a notice of any special By-Law whether to amend the District General By-Law or to enact any other By-Laws,
    - (c) a summary of the annual reports of the District Chairman and the Treasurer, and
    - (d) a report of the nominating committee, if any, for the election of officers for the ensuing year.
  - (3) Any member of the District Association shall be entitled to attend the Annual General Meeting and to vote thereat.
  - (4) A majority of members voting in favour of a resolution at the Annual Meeting shall be sufficient, except for resolutions which report to amend the District General By-Law or to enact any other By-Law which shall require a two-thirds majority thereof to be effective.
  - (5) Officers of the Association elected at an Annual General Meeting of the Association shall hold office until their successors are elected.

## 8. FEES

The annual fees of the District Association shall be payable to the Association not later than the first day of March in any year or such other day as the District Association shall by By-Law determine, provided that no person may race a Laser in any event after the last date for payment shall fall due unless the said dues have been fully paid and he shall be a member of the International Laser Class Association as required by the Class Rules.

## 9. DISTRICT CHAMPIONSHIPS

- (1) The District Association shall annually sponsor a District Championship sailing event which shall be open to any member of the District Association to be held at such place within the District as the District Association shall determine.
- (2) The District Championship event shall be conducted in accordance with the provisions of the Racing By-Law passed by the World Council.

## 10. BY-LAWS

The District Association may make By-Laws for the purpose of carrying out the objects of these General By-Laws and, without restricting the generality of the foregoing, may make By-Laws

- (1) determining the fiscal year of the District Association;
- (2) determining the period within which the Annual General Meeting must be held;
- (3) establishing nominating committees and methods of formation thereof;
- (4) subject to any By-Law of the International Laser Class Association, respecting the conduct of any regatta within the District and the eligibility of members for major racing events;
- (5) respecting the acceptance of deeds of gift of trophies;
- (6) changing the Head Office of the District;
- (7) respecting the conduct of the business of the District;
- (8) giving effect to the provisions of any local or general public law having application in the District enacted by any governmental body having jurisdiction;
- (9) respecting the organisation, constitution, and operation of fleets within the District; and
- (10) respecting the constitution and eligibility for committees including nominating committees.

## 11. COMING INTO FORCE

- (1) This By-Law comes into force
- (a) in respect of any District established by the World Council prior to the first day of November 1973, on the said date; and
- (b) in respect of any District established on or after the first day of November 1973, on the date of the By-Law of the World Council establishing such District pursuant to provisions of Section 8 of the Constitution.
- (c) The World Council upon establishing a District shall designate the name of the District and the location of the offices thereof and may, in addition, approve any addition to the said District General

By-Law as may be required to meet the laws of such District or any special circumstances, provided such additions are not inconsistent with the provisions of the Constitution or this By-Law.

# ILCA By-Law 3: Measurement

1. If a protest is lodged against a yacht alleging that there has been an alteration or addition thereto not permitted by the Rules of the Class, and the Race Committee, on investigation, is in doubt as to whether a violation of the Rules has occurred, it shall measure the part of yacht subject to protest in accordance with paragraph 2.

## 2. (a) Hull

The part of the hull of the yacht subject to protest shall be measured in accordance with the measurement directions attached as Schedule A and the same part of not less than five (5) other Lasers, chosen by the Race Committee as random samples, shall be measured in the same manner. The Race Committee shall select, if possible, Lasers which show no evidence of having been repaired or altered and which do not have inspection ports.

The arithmetic mean of the measurements of the boats chosen as the sample shall be calculated, and the protested yacht shall be disqualified if the difference between the mean value so determined and the measurement on the yacht subject to protest shall exceed the following values for the measurements indicated:

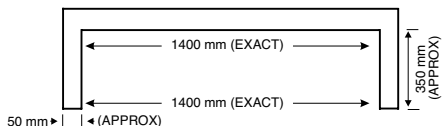
any point along the keel line (rocker): 2 mm  
any other area of the hull: 3 mm

## (b) Equipment

If any mast, boom, fitting, centreboard or rudder is the subject of a protest as to size, shape or location, measurement thereof shall be governed by the drawings and tolerances set forth in the Measurement Diagrams (Ref: By-Law 1 - Rules)

3. This By-Law shall be read and construed in conjunction with the Rules of the International Laser Class Association and the Interpretation of the Chief Measurer, and may be amended by the World Council with the approval of the International Sailing Federation.

## Schedule A to By-Law 3



## 1. Measurement Template

## 2. Measurement of Hull

Turn boat upside down. Starting at the transom, measure out a distance along the keel line and establish point A, which will fall roughly athwartships of point X, the area under protest.

Lay a straight edge across the transom as shown in the



enforcement of the Rules has been and is likely to be, beyond reproach.

3. The position of District Measurer is limited to a two year period, after which the existing Measurer can be re-proposed or an alternative proposed by the District Chairman as set out in point 4 below.
4. The District Chairman, upon satisfying himself in respect of the items set forth in paragraph 2 above, shall submit the recommendation for the appointment of the District Measurer to the Executive Secretary of the World Council or the Regional Council.
5. The Executive Secretary shall forthwith communicate the recommendation to the Chief Measurer and shall confirm the appointment, following certification, if the same is approved.
6. District Measurers, with the approval of the District Chairman, may appoint assistant District Measurers from time to time, who meet the requirements of paragraph 2, for the purpose of attending a sanctioned or other event designated as requiring the presence of the District Measurer. Such appointment shall be for one specific event.

## ILCA By-Law 5: Sanctioned Events and Honour Awards

### SANCTIONED EVENTS

1. The following events shall be deemed to be Sanctioned Events for the purposes of the Constitution, the Rules and the By-Laws of the Association:
  - (a) World Championship events;
  - (b) Regional Championship events approved by the World Council, including the North American, European, Central & South American and the Asian Pacific Championship, whether or not a Region has been established;
  - (c) Multi District events (other than district, regional or World Championship) including North American Midwinters, Canadian, US, Nordic, Australian and Middle East Championships;
  - (d) District Championship events, including District Ladies' Championship, District Junior Championship;
  - (e) Such other events as may be designated by the World Council or a Regional Executive Committee, as the case may be.
2. Any Sanctioned Event shall be conducted in accordance with the provisions of the Racing By-Law.
3. Honour Awards and Trophies shall only be given if sufficient entries take part in each category in a regatta according to the following table:

5-9	Entries	1 award/cube
10-19	Entries	2 awards/cubes
20-29	Entries	3 awards/cubes
30-39	Entries	4 awards/cubes
40+	Entries	5 awards/cubes

### HONOUR AWARDS

#### Sail Awards

4. Every member shall be entitled to apply to his sail the symbol earned by him racing in a Sanctioned Event, in accordance with the following schedule:

#### World Championships

Winner	3 Chevrons
Series 2nd & 3rd place finishers	2 Chevrons
Each daily 1st place finisher	1 Chevron
Series 4th & 5th place finishers	1 Chevron

#### Regional Championships

(which may be known as "Bar Events")

Winner	3 Bars
Series 2nd & 3rd place finishers	2 Bars
Each daily 1st place finisher	1 Bar
Series 4th & 5th place finishers	1 Bar

#### Multi District Events

(which may be known as "Medallion Events")

Winner	3 Medallions
Series 2nd & 3rd place finishers	2 Medallions
Each daily 1st place finisher	1 Medallion
Series 4th & 5th place finishers	1 Medallion

#### District Sanctioned Events

(which may be known as "Diamond Events")

Winner	3 Diamonds
Series 2nd & 3rd place finishers	2 Diamonds
Each daily 1st place finisher	1 Diamond
Series 4th & 5th place finishers	1 Diamond

5. A member may carry on his sail only one award, which shall be the highest award won at any time by such member; it being understood that the highest awards are Chevrons, Bars, Medallions and Diamonds in that order.
6.
  - (a) The symbols representing the sail awards shall be glued on or sewn to each side of the sail in the third panel from the top of the sail, with the first award being placed in the uppermost position as specified in Schedule A.
  - (b) The symbols shall be in red for events which are not restricted, green for events restricted to women, blue for events restricted to juniors, and light blue for events restricted to Masters (35 years and over). A Masters event may be split into 5 categories: 75 and Over (aged 75+), Great Grand Masters (aged 65-74), Grand Masters (aged 55-64), Masters (aged 45-54) and Apprentices (aged 35-44) in which case honour awards and cubes may be awarded for each category. The minimum number of entries in each age category (except Apprentices) at a Masters championship shall be 5. If there are fewer than the minimum number then those Masters shall be scored and eligible to win awards in the next lower age category. Determination of category for Masters shall be the age attained on the day before the first scheduled race of a regatta.

7. Sail awards shall be retroactive to all North American, European and District Championships organised at any time and publicised and known as such; and any dispute as to whether any event heretofore qualifies as a Regional or District event herein shall be settled by the World Council on application for interpretation made to the Executive Secretary.

### Trophies

8. Every member shall be entitled to receive a Laser cube, in accordance with the following schedule:

#### World Championship

Winner

Cube inscribed with 3 Chevrons

Series 2nd & 3rd place finishers

Cube inscribed with 2 Chevrons

Each daily 1st place finisher

Cube inscribed with 1 Chevron

Series 4th & 5th place finishers

Cube inscribed with 1 Chevron

#### Regional Events ("Bar Event")

Winner

Cube inscribed with 3 Bars

Series 2nd & 3rd place finishers

Cube inscribed with 2 Bars

Series 4th & 5th place finishers

Cube inscribed with 1 Bar

#### Multi District Events ("Medallion Events")

Winner

Cube inscribed with 3 Medallions

Series 2nd & 3rd place finishers

Cube inscribed with 2 Medallions

Series 4th & 5th place finishers

Cube inscribed with 1 Medallion

#### District Events ("Diamond Events")

Winner

Cube inscribed with 3 Diamonds

Series 2nd & 3rd place finishers

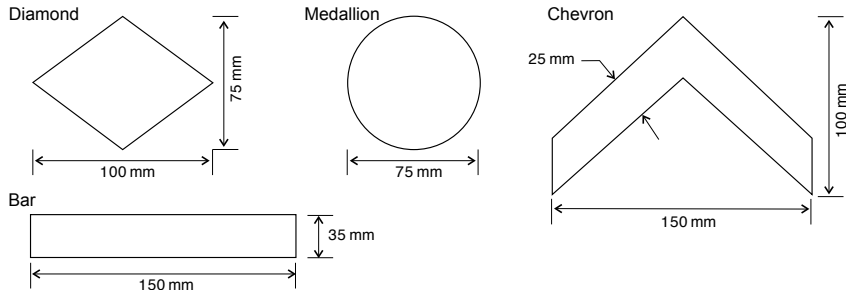
Cube inscribed with 2 Diamonds

Series 4th & 5th place finishers

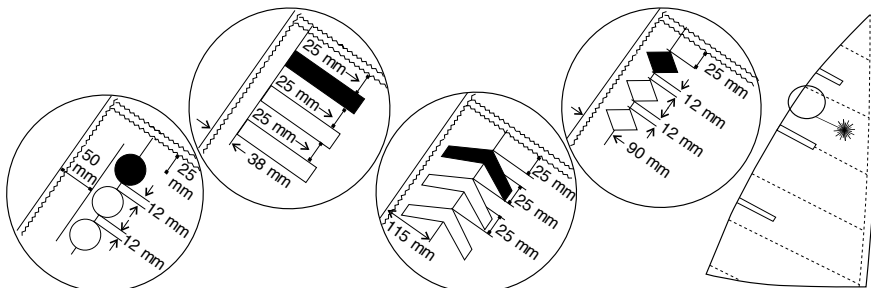
Cube inscribed with 1 Diamond

9. Any member who has earned a Laser cube in any event to which paragraph 3 applies shall be entitled, if available, to order such cube upon application to the Executive Secretary with particulars of the event, time and location; provided that such application shall be certified by the District Sailing Secretary or the Race Committee Chairman of such event. The insurance of the retroactive trophies shall be at the expense of the person applying therefore; the cost of the cube shall be determined from time to time by the World Council.
10. In the event of the disposition of a sail, the person holding a sail award shall cause the same to be removed from the sail prior to such disposition.
11. The cubes referred to in paragraphs 7 and 8 may be changed in style and design from time to time by the World Council.

### Size and Shape of Award Symbols



### Schedule A: Position of Award Symbols



## **ILCA By-Law 6: Status and Dissolution**

1. The Association is a non-profit organisation. All profit and surpluses shall be used to maintain or improve the Association's facilities and the objects of the Constitution.
2. No profit or surplus shall be distributed other than to another non-profit making body promoting international sailing on winding up or dissolution of the Association.
3. Dissolution shall be approved by each of:
  - (a) The World Council
  - (b) The Advisory Council
  - (c) At least two thirds of the membership replying in writing to the International Office of the class in response to a postal ballot published by the International Office. Only those postal votes returned to the International Office within 6 months of the date of publication of the proposal to dissolve the Association shall be valid.

## **ILCA By-Law 7: Postal Ballots**

1. For the purposes of Constitution article 17 (c) and By-Law 1 (Rules) paragraph 30 (c) Postal Ballots may be published by any of:
  - (a) a printed document
  - (b) e-mail

- (c) e-mail or a printed document and notice on the Association's web site
2. Responses to a Postal Ballot shall be by returning the Postal Ballot Voting Form by letter, fax, e-mail or completing a designated web based Postal Ballot Voting Form.
3. When so designated by the World Council a Postal Ballot on a subject that relates only to members owning a specific rig shall be voted upon only by members owning the specified rig.

## **ILCA By-Law 8: Regional Championships**

### **Organisation and Conduct of Regional (Continental) Championships**

1. At least 18 months in advance of a Regional (Continental) Championship and before the dates, venue and notice of race of such a championship are published the venue and dates shall be submitted to the World Council for approval. Before giving such approval the World Council shall consider the requirements of this By-Law and any other aspect affecting the quality and fairness of the competition.
  2. The sailing instructions shall be submitted to ILCA for approval 4 months before the date of the first race and shall follow the ILCA standard championship instructions.
  3. A Laser District or International Measurer approved for the event by the ILCA Chief Measurer shall inspect boats at the championship prior to the start of racing using a check list and procedure prepared by the ILCA Chief Measurer.
-



# World Championship Archives

Before 1997, ILCA did not hold separate Laser Radial or Youth Worlds. Except in 1980, entry to the Senior Worlds (Standard Rig) was restricted. Regional Championship archives are on the website: [www.laserinternational.org](http://www.laserinternational.org)

## OLYMPIC GAMES

### 2012 London, UK

<b>Laser Standard</b>	
Countries 49	
1st Tom Slingsby .....	AUS
2nd Pavlos Kontides .....	CYP
3rd Rasmus Mygren .....	SWE
4th Tonci Stipanovic .....	CRO
5th Andrew Murdoch .....	NZL
<b>Laser Radial</b>	
Countries 41	
1st Lijia Xu .....	CHN
2nd Marit Bouwmeester .....	NED
3rd Evi Van Acker .....	BEL
4th Annaliese Murphy .....	IRL
5th Alison Young .....	GBR

### 2008 Beijing, CHN

<b>Laser Standard</b>	
Countries 43	
1st Paul Goodison .....	GBR
2nd Vasilij Zbogor .....	SLO
3rd Diego Romero .....	ITA
4th Gustavo Lima .....	POR
5th Andrew Murdoch .....	NZL
<b>Laser Radial</b>	
Countries 28	
1st Anna Tunnicliffe .....	USA
2nd Gintare Volungeviciute .....	LTU
3rd Lijia Xu .....	CHN
4th Sarah Blanck .....	AUS
5th Sarah Steyaert .....	FRA

### 2004 Athens, GRE

<b>Laser Standard</b>	
Countries 42	
1st Robert Scheidt .....	BRA
2nd Andreas Geritzer .....	AUT
3rd Vasilij Zbogor .....	SLO
4th Paul Goodison .....	GBR
5th Gustavo Lima .....	POR

### 2000 Sydney, AUS

<b>Laser Standard</b>	
Countries 43	
1st Ben Ainslie .....	GBR
2nd Robert Scheidt .....	BRA
3rd Michael Blackburn .....	AUS
4th Serge Kats .....	NED
5th Andreas Geritzer .....	AUT

### 1996 Savannah, USA

<b>Laser Standard</b>	
Countries 56	
1st Robert Scheidt .....	BRA
2nd Ben Ainslie .....	GBR
3rd Peer Moberg .....	NOR
4th Michael Blackburn .....	AUS
5th Stefan Warkalla .....	GER

## WORLD

### CHAMPIONSHIPS

#### 2015 Kingston, CAN

<b>Open: Laser Standard</b>	
Entries 158 Countries 62	
1st Nick Thompson .....	GBR
2nd Philipp Buhl .....	GER
3rd Tom Burton .....	AUS
4th Juan Ignacio Maegli .....	GUA
5th Matthew Wearn .....	AUS

#### 2015 Al Mussanah City, OMA

<b>Women: Laser Radial</b>	
Entries 100 Countries 49	
1st Ann-Marie Rindom .....	DEN
2nd Marit Bouwmeester .....	NED
3rd Evi Van Acker .....	BEL
4th Tuula Tenkanen .....	FIN
5th Josefín Olsson .....	SWE

#### 2015 Aarhus, DEN

<b>Men: Laser Radial</b>	
Entries 75 Countries 21	
1st Marcin Rudawski .....	POL
2nd Matthias Van De Look .....	BEL
3rd Zan Luka Zelko .....	SLO
4th Patrick Dopping .....	DEN
5th Mon Cahellas Salas .....	ESP

#### 2015 Kingston, CAN

<b>Youth Men: Laser Radial</b>	
Entries 142 Countries 34	
1st Connor Nicholas .....	AUS
2nd Gianmarco Planchestainer .....	ITA
3rd Nic Baird .....	USA
4th Paolo Giargia .....	ITA
5th Umberto Jose Varbaro .....	ITA
<b>Youth Women: Laser Radial</b>	
Entries 53 Countries 20	
1st Maria Erdi .....	HUN
2nd Dolores Moreira .....	URU
3rd Magdalena Kwana .....	POL
4th Francesca Bergamo .....	ITA
5th Carolina Albano .....	ITA

#### 2015 Medemblik, NED

<b>U21: Laser Standard</b>	
Entries 155 Countries 42	
1st Joel Rodriguez .....	ESP
2nd Michael Beckett .....	GBR
3rd Benjamin Vadnai .....	HUN
4th Finn Lynch .....	IRL
5th Jonatan Vadnai .....	HUN
<b>U21: Laser Radial Women</b>	
Entries 74 Countries 33	
1st Maxime Jonker .....	NED
2nd Line Flem Høst .....	NOR
3rd Monika Mikkola .....	FIN
4th Dewi Couvert .....	NED
5th Martina Reino Cacho .....	ESP
<b>U18 Men: Laser 4.7</b>	
Entries 257 Countries 36	
1st A. Bethencourt Fuentes .....	ESP
2nd Rafael De La Hoz Tuells .....	ESP
3rd Guido Gallinaro .....	ITA
4th Toygar Elmas .....	TUR
5th Alberto Tezza .....	ITA

#### U18 Women: Laser 4.7

Entries 127 Countries 29	
1st Katerina Gumenko .....	UKR
2nd Julia Büchelberg .....	GER
3rd Isaura Maenhaut .....	BEL
4th Lin Pletikos .....	SLO
5th Federica Cattarozzi .....	ITA

#### 2014 Santander, ESP

<b>Open: Laser Standard</b>	
Entries 147 Countries 69	
1st Nicholas Heiner .....	NED

2nd Tom Burton .....	AUS
3rd Nick Thompson .....	GBR
4th Philipp Buhl .....	GER
5th Robert Scheidt .....	BRA

#### 2014 Santander, ESP

<b>Women: Laser Radial</b>	
Entries 120 Countries 55	
1st Marit Bouwmeester .....	NED
2nd Josefín Olsson .....	SWE
3rd Evi Van Acker .....	BEL
4th Tuula Tenkanen .....	FIN
5th Veronika K. Fenclova .....	CZE

#### 2014 Dziwnow, POL

<b>Men: Laser Radial</b>	
Entries 76 Countries 22	
1st Stelmazyk Jonasz .....	POL
2nd Marcin Rudawski .....	POL
3rd William De smet .....	BEL
4th Tristan Brown .....	AUS
5th Martis Pjarskas .....	LTU

#### Youth Men: Laser Radial

Entries 159 Countries 31	
1st Joel Rodriguez .....	ESP
2nd Nik Willim .....	GER
3rd Benjamin Wempe .....	NED
4th Nicol Villa .....	ITA
5th Jonatan Vadnai .....	HUN

#### Youth Women: Laser Radial

Entries 81 Countries 27	
1st Monika Mikkola .....	FIN
2nd Maria Erdi .....	HUN
3rd Maite Carlier .....	POL
4th Magdalena Kwana .....	POL
5th Maud Jay .....	SUI

#### 2014 Douarnenez, FRA

<b>U21: Laser Standard</b>	
Entries 105 Countries 33	
1st Lorenzo Chiavari .....	GBR
2nd Hermann Tomagaard .....	NOR
3rd Stefano Pesciara .....	PER
4th Finn Lynch .....	IRL
5th Joao Souto de Oliveira .....	BRA

#### U21: Laser Radial Women

Entries 57 Countries 23	
1st Agata Barwinska .....	POL
2nd Daphne Van der Vaart .....	NED
3rd Martina Reino Cacho .....	ESP
4th Martha Faraguna .....	ITA
5th Joyce Florida .....	ITA

#### 2014 Karatsu, JPN

<b>U18 Men: Laser 4.7</b>	
Entries 66 Countries 21	
1st Alexandre Boite .....	FRA
2nd Ismael Iess .....	ESP
3rd Paolo Mavricic .....	CRO
4th Frederico Fornasari .....	ITA
5th Kaito Iwaki .....	JPN

#### U18 Women: Laser 4.7

Entries 37 Countries 15	
1st Asya Uvisetto .....	SUI
2nd Irene Miras Leung .....	ESP
3rd Francesca Bergamo .....	ITA
4th Ilaria Rochelli .....	ITA
5th Maria Kisluhina .....	RUS

#### 2013 Al Mussannah, OMN

<b>Open: Laser Standard</b>	
Entries 112 Countries 38	
1st Robert Scheidt .....	BRA
2nd Pavlos Kontides .....	CYP
3rd Philipp Buhl .....	GER
4th Rutger Schaardenburg .....	NED
5th Jesper Stalheim .....	SWE

#### 2013 Rizhao City, CHN

<b>Women: Laser Radial</b>	
Entries 76 Countries 31	
1st Tina Mihelic .....	CRO
2nd Tuula Tenkanen .....	FIN

3rd Paige Railey .....	USA
4th Dongshuang Zhang .....	CHN
5th Sarah Gunn .....	DEN

#### 2013 Dun Laoghaire, IRL

<b>Men: Laser Radial</b>	
Entries 95 Countries 25	
1st Tristan Brown .....	AUS
2nd Marcin Rudawski .....	POL
3rd Finn Lynch .....	IRL
4th Juan Cabrera Gonzales .....	ESP
5th Sebastian Schneider .....	ESP

#### 2013 Balatonfured, HUN

<b>U21: Laser Standard</b>	
Entries 138 Countries 34	
1st Mitchell Kennedy .....	AUS
2nd Hermann Tomagaard .....	NOR
3rd Francesco Marrai .....	ITA
4th Lorenzo Chiavari .....	GBR
5th Giovanni Cocoluto .....	ITA

#### U21: Laser Radial Women

Entries 96 Countries 32	
1st Svenja Weger .....	GER
2nd Niki Blassar .....	FIN
3rd Claretta Tempesti .....	ITA
4th Manami Doi .....	JPN
5th Kim Pletikos .....	SLO

#### U18 Men: Laser 4.7

Entries 239 Countries 46	
1st Anil Cetin .....	TUR
2nd Jonatan Vadnai .....	HUN
3rd Connor Nicholas .....	AUS
4th Gianmarco Planchestainer .....	ITA
5th Sergio Silva .....	PER

#### U18 Women: Laser 4.7

Entries 130 Countries 33	
1st Silvia Morales Gonzalez .....	ESP
2nd Magdalena Kwana .....	POL
3rd Sofia Capparuocini .....	ITA
4th Alba Elejabetitia .....	ESP
5th Jose Maria Marichal .....	ESP

#### 2012 Boltentzen, GER

<b>Open: Laser Standard</b>	
Entries 169 Countries 62	
1st Tom Slingsby .....	AUS
2nd Tonci Stipanovic .....	CRO
3rd Andrew Maloney .....	NZL
4th Juan Maegli .....	GUA
5th Tom Burton .....	AUS

#### 2012 Boltentzen, GER

<b>Women: Laser Radial</b>	
Entries 136 Countries 53	
1st Gintare Scheidt .....	LTU
2nd Lijia Xu .....	CHN
3rd Sari Multala .....	FIN
4th Alison Young .....	GBR
5th Marit Bouwmeester .....	NED

#### 2012 Buenos Aires, ARG

<b>U21: Laser Standard</b>	
Entries 29 Countries 19	
1st Giovanni Cocoluto .....	ITA
2nd Stig Steinfurth .....	DEN
3rd Aleksander Anan .....	POL
4th Juan Ignacio Biava .....	ARG
5th Ignasi López Carcaré .....	ESP

#### 2012 Brisbane, AUS

<b>Men: Laser Radial</b>	
Entries 54 Countries 9	
1st Tristan Brown .....	AUS
2nd Matthew Wearn .....	AUS
3rd Jeremy O'Connell .....	AUS
4th Mahia Pepper .....	NZL
5th Daniel Smith .....	AUS

#### Youth Men: Laser Radial

Entries 71 Countries 11	
1st Hermann Tomagaard .....	NOR
2nd Andrew Mckenzie .....	NZL
3rd Mitchell Kiss .....	USA
4th Maxim Nikolaev .....	RUS
5th Juan Carlos Perdomo .....	PUR

**Youth Women: Laser Radial**

Entries 35	Countries 19
1st Maxime Jonker	NED
2nd Madison Kennedy	AUS
3rd Georgina Povall	GBR
4th Milly Bennett	AUS
5th Anna Philip	AUS

**2012 Buenos Aires, ARG****U18 Men: Laser 4.7**

Entries 71	Countries 25
1st Benjamin Vadrnai	HUN
2nd Nahuel Rodríguez PérezESP	
3rd Maximilian Kuester	ITA
4th Jacopo Fanti	ITA
5th Raul Sanchez Lago	ESP

**U16 Men: Laser 4.7**

Entries 20	Countries 12
1st Joel Rodríguez Pérez	ESP
2nd Malone Chao Jie Pun	SIN
3rd Luka Tosic	SRB
4th Liam McCarthy	USA
5th Francisco Guaragna	ARG

**U18 Women: Laser 4.7**

Entries 46	Countries 17
1st Céline Therese Herud	NOR
2nd Yolanda Luque GonzalezESP	
3rd Anja Hamerlitz	CRO
4th Júlia Silva	BRA
5th Martina Reino Cacho	ESP

**U16 Women: Laser 4.7**

Entries 12	Countries 7
1st Maria C. K. Boabaid	BRA
2nd Natalia A. S. Barriga	ESP
3rd Jacinta Ainsworth	AUS
4th Daniela Cardozo	ARG
5th Kana Hayashi	JPN

**2011 Perth, AUS****Open: Laser Standard**

Entries 145	Countries 66
1st Tom Slingsby	AUS
2nd Simon Groteluschen	GER
3rd Nick Thompson	GBR
4th Andreas Geritzer	AUT
5th Paul Goodison	GBR

**Women: Laser Radial**

Entries 102	Countries 51
1st Marit Bouwmeester	NED
2nd Evi Van Acker	BEL
3rd Paige Railey	USA
4th Veronika Fenclova	CZE
5th Gintare Volungeviciute	LTU

**2011 La Rochelle, FRA****U21: Laser Standard**

Entries 151	Countries 40
1st Sam Meech	NZL
2nd Alex Mills-Barton	GBR
3rd Martin Evans	GBR
4th Ki-Raphael Sulkowski	AUS
5th Francesco Marrai	ITA

**2011 La Rochelle, FRA****Men: Laser Radial**

Entries 135	Countries 35
1st Marcin Rudawski	POL
2nd James Burman	AUS
3rd Yuri Hummel	NED
4th Tristan Brown	AUS
5th Juan Carlos Perdomo	PUR

**Youth Men: Laser Radial**

Entries 277	Countries 42
1st Giovanni Coccoluto	ITA
2nd Elliot Hanson	GBR
3rd Eliot Merceron	FRA
4th Mitchell Kiss	USA
5th Tommaso Centonze	ITA

**Youth Women: Laser Radial**

Entries 101	Countries 27
1st Erika Reineke	USA
2nd Oren Jacob	ISR
3rd Sandy Fauthoux	FRA
4th Paulina Czubachowska	POL
5th Manami Doi	JPN

**2011 San Francisco, USA****U18 Men: Laser 4.7**

Entries 112	Countries 28
1st Francisco Gonzalez S.	ESP
2nd Carlos Rosello	ESP
3rd William de Smet	BEL
4th Keiju Okada	JPN

**U16 Men: Laser 4.7**

Entries 39	Countries 22
1st Nils Theuninck	SUI
2nd Anthony Parke	GBR
3rd Martin Lowy	BRA
4th Nicholas Connor	AUS
5th Trent Rippey	NZL

**U18 Women: Laser 4.7**

Entries 53	Countries 19
1st Cecilia Zorzi	ITA
2nd Kim Pletikos	SLO
3rd Line Flem Høst	NOR
4th Céline Theresa Herud	NOR
5th Maud Jayet	SUI

**U16 Women: Laser 4.7**

Entries 12	Countries 8
1st Maud Jayet	SUI
2nd Athanasia Fakidi	GRE
3rd Vasileia Karchaliou	GRE
4th Savannah Siew K. Hui	SIN
5th Marine V. Campenhout	SUI

**2010 Hayling Island, GBR****Open: Laser Standard**

Entries 160	Countries 53
1st Tom Slingsby	AUS
2nd Nick Thompson	GBR
3rd Andrew Murdoch	NZL
4th Julio Alsogaray	ARG
5th Pavlos Contides	CYP

**U21: Laser Standard**

Entries 137	Countries 37
1st Thorbjørn Schierup	DEN
2nd Francesco Marrai	ITA
3rd Alex Mills-Barton	GBR
4th Kacper Ziemiński	POL
5th Filip Jurisic	CRO

**2010 Largs, GBR****Women: Laser Radial**

Entries 117	Countries 41
1st Sari Multala	FIN
2nd Marit Bouwmeester	NED
3rd Paige Railey	USA
4th Sarah Steyaert	FRA
5th Tatiana Drozdovskaya	BLR

**Men: Laser Radial**

Entries 103	Countries 31
1st Marcin Rudawski	POL
2nd Wojciech Zemke	POL
3rd Mitchell Kiss	USA
4th Ben Koppelaar	NED
5th Insub Kim	KOR

**Youth Men: Laser Radial**

Entries 228	Countries 41
1st Giovanni Coccoluto	ITA
2nd Tadeusz Kubiak	POL
3rd Luca Antognoli	ITA
4th Stefano Mazzaferro	BRA
5th Mitchell Kiss	USA

**Youth Women: Laser Radial**

Entries 91	Countries 26
1st Erika Reineke	USA
2nd Manami Doi	JPN
3rd Michelle Broekhuizen	NED
4th Chiara Steinmueller	GER
5th Arjonilla Julia Valló	ESP

**2010 Pattaya, THA****U18 Men: Laser 4.7**

Entries 45	Countries 22
1st Etienne Le Pen	FRA
2nd Supakorn Pongwichan	THA
3rd Jolbert Van Dijk	NED
4th Luca Malusa	ITA
5th Juan Carlos Perdomo	PUR

**U18 Women: Laser 4.7**

Entries 40	Countries 20
1st Caitlin Elks	AUS
2nd Nur Amirah Hamid	MAS
3rd Oren Jacob	ISR
4th Ashlie Lane	AUS
5th Ella Evans	AUS

**U16 Mixed: Laser 4.7**

Entries 31	Countries 14
1st Ryan Amlehn	NZL
2nd Mark Spearman	AUS
3rd Filipp Florentin	GRE
4th Panagiotis Stathis	GRE
5th Benjamin Whiteside	NZL

**2009 Halifax, CAN****Open: Laser Standard**

Entries 168	Countries 51
1st Paul Goodison	GBR
2nd Michael Bullot	NZL
3rd Nick Thompson	GBR
4th Julio Alsogaray	ARG
5th Tonci Stipanovic	CRO

**2009 Karatsu, JPN****Women: Laser Radial**

Entries 88	Countries 30
1st Sari Multala	FIN
2nd Sophie de Turckheim	FRA
3rd Anna Tunnicliffe	USA
4th Marit Bouwmeester	NED
5th Lijia Xu	CHN

**Men: Laser Radial**

Entries 61	Countries 16
1st Marcin Rudawski	POL
2nd Ben Koppelaar	NED
3rd Insub Kim	KOR
4th Hisaki Nagai	JPN
5th Mohd Romsli Muhamad MAS	

**Youth Men: Laser Radial**

Entries 100	Countries 25
1st Keerat Bualong	THA
2nd Aleksander Anian	POL
3rd Filip Kobieski	POL
4th Toma Visic	CRO
5th Chris Barnard	USA

**Youth Women: Laser Radial**

Entries 39	Countries 16
1st Mathilde de Kerangat	FRA
2nd Ashley Stoddart	AUS
3rd Michelle Broekhuizen	NED
4th Anna Agrafioti	GRE
5th Joanna Maksymuk	POL

**2009 Buzios, BRA****Youth Men: Laser 4.7**

Entries 109	Countries 24
1st Jonathan Martinetti	ECU
2nd Hermann Tomsgaard	NOR
3rd Juraj Divjakinja	CRO
4th Guillermo Arce	PER
5th Tono Alcazar	ESP

**Youth Women: Laser 4.7**

Entries 39	Countries 23
1st Urska Kosir	SLO
2nd Tomoyo Wakabayashi	JPN
3rd Hitomi Murayama	JPN
4th Kim Pletikos	SLO
5th Patricia Coro Leveque	ESP

**2008 Terrigal, AUS****Open: Laser Standard**

Entries 157	Countries 58
1st Tom Slingsby	AUS
2nd Julio Alsogaray	ARG
3rd Javier Hernandez	ESP
4th Vasilij Zbogor	SLO
5th Michael Bullot	NZL

**2008 Auckland, NZL****Women: Laser Radial**

Entries 116	Countries 41
1st Sarah Steyaert	FRA
2nd Lijia Xu	CHN
3rd Andrea Brewster	GBR
4th Gintare Volungeviciute	LTU
5th Sarah Black	AUS

**Men: Laser Radial**

Entries 71	Countries 17
1st Michael Leigh	CAN
2nd Brad Funk	USA
3rd Simon Morgan	AUS
4th James Sandall	NZL
5th James Burman	AUS

**Youth Men: Laser Radial**

Entries 85	Countries 20
1st Andrew Maloney	NZL
2nd Martin Evans	GBR
3rd Maarten Mac Moerman	NED
4th Tom Burton	AUS
5th Sam Meech	NZL

**Youth Women: Laser Radial**

Entries 38	Countries 14
1st Gabrielle King	AUS
2nd Cushla Hume-Merry	NZL
3rd Sarah Gunni	DEN

**4th Mathilde de Kerangat****5th Annaliese Murphy****2008 Trogir, CRO****Youth Men: Laser 4.7**

Entries 279	Countries 43
1st Shahar Jacob	ISR
2nd Scott Sydney	SIN
3rd Lovre Perhat	CRO
4th Toma Visic	CRO
5th Alexandros Chocholis	GRE

**Youth Women: Laser 4.7**

Entries 116	Countries 32
1st Elizabeth Yin	SIN
2nd Matea Senkic	CRO
3rd Antea Kordic	CRO
4th Coro Leveque Patricia	ESP
5th Charlotte Asselt	NED

**2007 Cascais, POR****Open: Laser Standard**

Entries 149	Countries 60
1st Tom Slingsby	AUS
2nd Andrew Murdoch	NZL
3rd Dennis Karpak	EST
4th Mate Arapov	CRO
5th Paul Goodison	GBR

**Women: Laser Radial**

Entries 100	Countries 48
1st Tatiana Drozdovskaya	BLR
2nd Sari Multala	FIN
3rd Petra Niemann	GER
4th Katarzyna Szotyńska	POL
5th Anna Tunnicliffe	USA

**2007 The Hague, NED****Men: Laser Radial**

Entries 121	Countries 26
1st Ben Paton	GBR
2nd Eduardo Vianen	NED
3rd Steven Krol	NED
4th Jon Emmett	GBR
5th James Burman	AUS

**Youth Men: Laser Radial**

Entries 204	Countries 29
1st Thorbjørn Schierup	DEN
2nd Ioannis Mitakis	GRE
3rd Gijl Pelt	NED
4th Joaquin Blanco	ESP
5th Barbara Tuna	TUR

**Youth Women: Laser Radial**

Entries 68	Countries 26
1st Tuula Tenkanen	FIN
2nd Susana Romero	ESP
3rd Sarah Gunni	DEN
4th Anne Haeger	USA
5th Mathilde de Kerangat	FRA

**2007 Hermanus, RSA****Youth Men: Laser 4.7**

Entries 95	Countries 27
1st Filip Matika	CRO
2nd Baepi Pinna	BRA
3rd Alexander Zimmermann	PER
4th Boris Bignoli	ITA
5th Jakob Bozic	SLO

**Youth Women: Laser 4.7**

Entries 25	Countries 14
1st Tajana Ganic	CRO
2nd Ewa Makowska	POL
3rd Lina Stock	CRO
4th Tiffany Brien	IRL
5th Matea Senkic	CRO

**2006 Jeju Island, KOR****Open: Laser Standard**

Entries 128	Countries 43
1st Michael Blackburn	AUS
2nd Tom Slingsby	AUS
3rd Rasmus Myrgen	SWE
4th Michael Leigh	CAN
5th Gustavo Lima	POR

**2006 Los Angeles, USA****Men: Laser Radial**

Entries 71	Countries 22
1st Fabio Pillar	BRA
2nd Steven Le Fevre	NED
3rd Steven Krol	NED
4th Jon Emmett	GBR
5th Ryan Seaton	IRL

**Women: Laser Radial**

Entries 89	Countries 31
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1st Lijia Xu..... CHN  
 2nd Petra Niemann..... GER  
 3rd Tania Elias Calles Wolf..... MEX  
 4th Anna Tunnicliffe..... USA  
 5th Evi Van Ecker..... BEL

#### YOUTH MEN: LASER RADIAL

Entries 140 Countries 21  
 1st Kyle Rogachenko..... USA  
 2nd Guilherme Barbosa Lima BRA  
 3rd Mathew Archibald..... CAN  
 4th Joaquin Blanco..... ESP  
 5th James Sandall..... NZL

#### YOUTH WOMEN: LASER RADIAL

Entries 39 Countries 12  
 1st Claire Dennis..... USA  
 2nd Susana Romero..... ESP  
 3rd Allie Blecher..... USA  
 4th Laura Maes..... BEL  
 5th Stephanie Roble..... USA

#### 2006 HOUTRIN, FRA

#### YOUTH MEN: LASER 4.7

Entries 237 Countries 27  
 1st Colin Xinn Cheng..... SIN  
 2nd Victor Serezshkin..... RUS  
 3rd Marko Peresa..... CRO  
 4th Fran Perucic..... CRO  
 5th Giuseppe Linares..... ITA

#### YOUTH WOMEN: LASER 4.7

Entries 88 Countries 19  
 1st Victoria Chan..... SIN  
 2nd Agnieszka Skrzypulec..... POL  
 3rd Julie Chehab..... FRA  
 4th Susana Romero..... ESP  
 5th Tuula Tenkanen..... FIN

#### 2005 FORTALEZA, BRA

#### Open: Laser Standard

Entries 136 Countries 36  
 1st Robert Scheidt..... BRA  
 2nd Diego Emilio Romero..... ARG  
 3rd Andrew Murdoch..... NZL  
 4th Vasilij Zbogor..... SLO  
 5th Mate Arapov..... CRO

#### Men: Laser Radial

Entries 90 Countries 24  
 1st Eduardo Magalhães..... BRA  
 2nd Brad Funk..... USA  
 3rd Blair McIay..... NZL  
 4th Martin Jenkins..... AUS  
 5th Andreas Perdieraris..... BRA

#### Women: Laser Radial

Entries 76 Countries 31  
 1st Paige Railey..... USA  
 2nd Sophie de Turckheim..... FRA  
 3rd Anna Tunnicliffe..... FRA  
 4th Petra Niemann..... GER  
 5th Krystal Weir..... AUS

#### YOUTH MEN: LASER RADIAL

Entries 77 Countries 23  
 1st Blair McIay..... NZL  
 2nd Frederico Melo..... POR  
 3rd Ivan Taritas..... CRO  
 4th Antonios Tzortzis..... GRE  
 5th James Burman..... AUS

#### YOUTH WOMEN: LASER RADIAL

Entries 26 Countries 13  
 1st Veronika Haid..... AUT  
 2nd Bruna Cordeiro..... BRA  
 3rd Viviane de Oliveira..... BRA  
 4th Luiza de Saboia..... BRA  
 5th Cecilia de Andrade..... BRA

#### 2005 BARRINGTON, USA

#### Entries 92 Countries 16

#### YOUTH MEN: LASER 4.7

1st Joaquin Blanco..... ESP  
 2nd Adam Sims..... GBR  
 3rd Dany Stanisic..... SLO  
 4th Guney Kaptan..... TUR  
 5th Marco Teixidor..... PUR

#### YOUTH WOMEN: LASER 4.7

1st Stephanie Roble..... USA  
 2nd Annie Haeger..... USA  
 3rd Cecilia Aragao..... BRA  
 4th Matilde Fabri..... ITA  
 5th Nilisu Ogen..... TUR

#### 2004 BITEZ, TUR

#### Open: Laser Standard

Entries 145 Countries 60

1st Robert Scheidt..... BRA  
 2nd Mark Mendelblatt..... USA  
 3rd Michael Blackburn..... AUS  
 4th Hamish Pepper..... NZL  
 5th Karl Suneson..... SWE

#### 2004 BRISBANE, AUS

#### Men: Laser Radial

Entries 133 Countries 11  
 1st Michael Blackburn..... AUS  
 2nd Aron Lolic..... CRO  
 3rd Tom Slingsby..... AUS  
 4th Blair McIay..... NZL  
 5th Marc Orams..... NZL

#### Women: Laser Radial

Entries 37 Countries 12  
 1st Krystal Weir..... AUS  
 2nd Christine Bridge..... AUS  
 3rd Cecilia Carranza Saroli..... ARG  
 4th Nufar Edelman..... ISR  
 5th Gea Jutjens..... NED

#### YOUTH: LASER RADIAL

Entries 108 Countries 18

1st Jean Baptiste Bernaz..... FRA  
 2nd Nathan Outeridge..... AUS  
 3rd Daniel Mihelcic..... CRO  
 4th Daniel Jakobsen..... CRO  
 5th Javier Padron..... ESP

#### 2004 RIVA DEL GARDA, ITA

#### Entries 276 Countries 23

#### YOUTH MEN: LASER 4.7

1st Justin Onrlee..... RSA  
 2nd Mathieu Frei..... FRA  
 3rd Ivo Kalebic..... CRO  
 4th Alexander Dolan..... IRL  
 5th Pierre Angelo Collura..... FIN

#### YOUTH WOMEN: LASER 4.7

1st Anita Di Iasio..... ITA  
 2nd Tina Mihelcic..... CRO  
 3rd Cansin Karga..... TUR  
 4th Vanessa le Bouteiller..... FRA  
 5th Clare Chapple..... GBR

#### 2003 CADIZ, ESP

#### Open: Laser Standard

Entries 174 Countries 61  
 1st Gustavo Lima..... POR  
 2nd Robert Scheidt..... BRA  
 3rd Michael Blackburn..... AUS  
 4th Luis Martinez..... ESP  
 5th Daniel Birgmark..... SWE

#### 2003 RIVA DEL GARDA, ITA

#### Men: Laser Radial

Entries 231 Countries 31  
 1st Aron Lolic..... CRO  
 2nd Jake Bartrom..... NZL  
 3rd Karlo Krpeljevic..... CRO  
 4th Max Bulley..... FRA  
 5th Marc Jux..... CHI

#### Women: Laser Radial

Entries 50 Countries 16  
 1st Katarzyna Szotynski..... POL  
 2nd Krystal Weir..... AUS  
 3rd Jeanette Dagson..... SWE  
 4th Corinne Meyer..... SUI  
 5th Gea Jutjens..... NED

#### YOUTH: LASER RADIAL

Entries 280 Countries 27  
 1st Tonci Stanipovic..... CRO  
 2nd Tonko Kuzmanic..... CRO  
 3rd Jonas Stelmasyk..... POL  
 4th Campbell Davidson..... GBR  
 5th Javier Padron..... ESP

#### 2003 CESME, TUR

#### Entries 98 Countries 18

#### YOUTH MEN: LASER 4.7

1st Onur Derebasli..... TUR  
 2nd Aste Cinar..... TUR  
 3rd Mustafa Kadir..... TUR  
 4th Philip White..... GBR  
 5th Milosz Landowski..... POL

#### YOUTH WOMEN: LASER 4.7

1st Ayda Unver..... TUR  
 2nd Anita Di Iasio..... ITA  
 3rd Didem Sarman..... TUR  
 4th Cansin Karga..... TUR  
 5th Istem Oguzbayir..... TUR

#### 2002 HYANNIS, USA

#### Open: Laser Standard

#### Entries 131 Countries 44

1st Robert Scheidt..... BRA  
 2nd Karl Suneson..... SWE  
 3rd Paul Goodison..... GBR  
 4th Diego Negri..... ITA  
 5th Brendan Casey..... AUS

#### 2002 ONTARIO, CAN

#### Men: Laser Radial

Entries 101 Countries 19  
 1st Karlo Krpeljevic..... CRO  
 2nd Chris Ashley..... USA  
 3rd Tiago Rodrigues..... BRA  
 4th David Wright..... CAN  
 5th Jake Bartrom..... NZL

#### Women: Laser Radial

Entries 38 Countries 10  
 1st Katarzyna Szotynski..... POL  
 2nd Miranda Powrie..... NZL  
 3rd Clara Peeloe..... IRL  
 4th Nicky Souter..... AUS  
 5th Alison Casey-Hall..... AUS

#### YOUTH: LASER RADIAL

Entries 174 Countries 20

1st Tonko Kuzmanic..... CRO  
 2nd Conner Higgins..... CAN  
 3rd Giles Scott..... GBR  
 4th Nick Thompson..... GBR  
 5th Max Bulley..... FRA

#### 2002 MUIDERZAND, NED

#### Entries 124 Countries 16

#### YOUTH MEN: LASER 4.7

1st Tonci Stanipovic..... CRO  
 2nd Daniel Mihelcic..... CRO  
 3rd Colin Robard..... NED  
 4th Stefano Meciani..... ITA  
 5th Dennis Karpak..... EST

#### YOUTH WOMEN: LASER 4.7

1st Tugce Subasi..... TUR  
 2nd Celine Olivon..... FRA  
 3rd Mandy Mulder..... NED  
 4th Samantha Chidgey..... AUS  
 5th Lidia Noto..... ITA

#### 2001 CORK, IRL

#### Open: Laser Standard

Entries 159 Countries 48  
 1st Robert Scheidt..... BRA  
 2nd Gustavo Lima..... POR  
 3rd Peer Moberg..... NOR  
 4th Paul Goodison..... GBR  
 5th Gareth Blankenberg..... RSA

#### 2001 VILANOVA, ESP

#### Men: Laser Radial

Entries 230 Countries 35  
 1st Michael Bullot..... NZL  
 2nd Andre Streppel..... BRA  
 3rd Aron Lolic..... CRO  
 4th Alp Alpagut..... TUR  
 5th Karlo Krpeljevic..... CRO

#### Women: Laser Radial

Entries 56 Countries 23  
 1st Katarzyna Szotynski..... POL  
 2nd Larissa Nevierov..... ITA  
 3rd Sara Lane Wright..... BER  
 4th Tatiana Drozdovskaya..... BLR  
 5th Jayne Singleton..... GBR

#### YOUTH: LASER RADIAL

Entries 260 Countries 33  
 1st Michael Bullot..... NZL  
 2nd Jason Georgaris..... GRE  
 3rd Alexandre Monteau..... FRA  
 4th Mathieu Murati..... FRA  
 5th Guray Zimbal..... TUR

#### 2000 CANCUN, MEX

#### Open: Laser Standard

Entries 141 Countries 50  
 1st Robert Scheidt..... BRA  
 2nd Michael Blackburn..... AUS  
 3rd Ben Ainslie..... GBR  
 4th Karl Suneson..... SWE  
 5th Serge Kats..... NED

#### 2000 CESME, TUR

#### Men: Laser Radial

Entries 124 Countries 25  
 1st Fredrik Lassenius..... SWE  
 2nd Alexandros Logothetis..... GRE  
 3rd Vangelis Chimonas..... GRE  
 4th Petar Cupac..... CRO

5th Kemal Muslubas..... TUR

#### Women: Laser Radial

#### Entries 33 Countries 16

1st Katarzyna Szotynski..... POL  
 2nd Nicola Muller..... GBR  
 3rd Jayne Singleton..... GBR  
 4th Jeanette Dagson..... SWE  
 5th Denis Karasoglu..... TUR

#### YOUTH: LASER RADIAL

#### Entries 137 Countries 31

1st Guray Zimbal..... TUR  
 2nd Anders Nyholm..... DEN  
 3rd Arne Nieuwenhuys..... NED  
 4th Antonis Manolakis..... GRE  
 5th Andrew Walsh..... GBR

#### 1999 MELBOURNE, AUS

#### Open: Laser Standard

#### Entries 141 Countries 46

1st Ben Ainslie..... GBR  
 2nd Robert Scheidt..... BRA  
 3rd Karl Suneson..... SWE  
 4th Michael Blackburn..... AUS  
 5th Andrew Simpson..... GBR

#### 1999 LA ROCHELLE, FRA

#### Men: Laser Radial

#### Entries 167 Countries 27

1st Adonis Bougiouris..... GRE  
 2nd Gustavo Lima..... POR  
 3rd Teddy Querroy..... FRA  
 4th Luka Radelic..... CRO  
 5th Vagelis Chimonas..... GRE

#### Women: Laser Radial

#### Entries 42 Countries 20

1st Kelly Hand..... CAN  
 2nd Jeanette Dagson..... SWE  
 3rd Helene Viazzo..... FRA  
 4th Clementine Destailleur..... FRA  
 5th Alison Casey..... AUS

#### YOUTH: LASER RADIAL

#### Entries 304 Countries 35

1st Francisco Sanchez F..... ESP  
 2nd Luka Radelic..... CRO  
 3rd Jorge Lima..... POR  
 4th Andrew Walsh..... GBR  
 5th Anders Nyholm..... DEN

#### 1998 MEDEMBLIK, NED

#### Men: Laser Radial

#### Entries 209 Countries 25

1st Gustavo Lima..... POR  
 2nd Adonis Bougiouris..... GRE  
 3rd Alexandros Logothetis..... GRE  
 4th Raimondos Siugzdisnis..... LTU  
 5th Luka Radelic..... CRO

#### Women: Laser Radial

#### Entries 87 Countries 19

1st Larissa Nevierov..... ITA  
 2nd Carolijn Brouwer..... NED  
 3rd Jeanette Dagson..... SWE  
 4th Marceline de Koning..... NED  
 5th Jo Dikkenberg..... AUS

#### YOUTH: LASER RADIAL

#### Entries 228 Countries 33

1st Alastair Gair..... NZL  
 2nd Evagelos Himonas..... GRE  
 3rd Goncalo Lopes..... POR  
 4th Leigh McMillan..... GBR  
 5th David Hiver..... GBR

#### 1997 ALGARROBO, CHI

#### Open: Laser Standard

#### Entries 128 Countries 34

1st Robert Scheidt..... BRA  
 2nd Nik Burfoot..... NZL  
 3rd Ben Ainslie..... GBR  
 4th Hamish Pepper..... NZL  
 5th Hugh Styles..... GBR

#### 1997 MOHAMEDIA, MAR

#### Men: Laser Radial

#### Entries 122 Countries 25

1st Raimondos Siugzdisnis..... LTU  
 2nd Romain Knipping..... FRA  
 3rd Selim Kakis..... TUR  
 4th Benoit Raphaelan..... FRA  
 5th Goncalo Lopes..... POR

#### Women: Laser Radial

#### Entries 40 Countries 17

1st Sarah Blanck..... AUS

2nd Helen Waite.....GBR  
 3rd Anja Sahlborg.....SWE  
 4th Anje de Boer.....NED  
 5th Larissa Nevierov.....ITA

**Youth: Laser Radial**  
 Entries 122 Countries 31  
 1st Teddy Quesroy.....FRA  
 2nd Romain Knipping.....FRA  
 3rd Alastair Gair.....NZL  
 4th Justin Deal.....GBR  
 5th Joao Santos Silva.....POR

#### 1996 Cape Town, RSA

##### Open: Laser Standard

Entries 134 Countries 38  
 1st Robert Scheidt.....BRA  
 2nd Karl Suneson.....SWE  
 3rd Ben Ainslie.....GBR  
 4th Stefan Warkalla.....GER  
 5th Iain Percy.....GBR

##### Men: Laser Radial

Entries 96 Countries 20  
 1st Brendan Casey.....AUS  
 2nd Andrew Kiriljuk.....RUS  
 3rd Allan Coutts.....NZL  
 4th Tim Shuwalow.....AUS  
 5th Dimitris Theodorakis.....GRE

##### Women: Laser Radial

Entries 29 Countries 11  
 1st Jacqueline Ellis.....AUS  
 2nd Larissa Nevierov.....ITA  
 3rd Kathryn McQueen.....AUS  
 4th Sarah Blancek.....AUS  
 5th Alison Casey.....AUS

#### 1995 Tenerife, ESP

##### Open: Laser Standard

Entries 137 Countries 39  
 1st Robert Scheidt.....BRA  
 2nd Nik Burfoot.....NZL  
 3rd Eivind Melbye.....NOR  
 4th Hamish Pepper.....NZL  
 5th Michael Blackburn.....AUS

##### Men: Laser Radial

Entries 66 Countries 18  
 1st Brendan Casey.....AUS  
 2nd Tim Shuwalow.....AUS  
 3rd Gustavo Lima.....POR  
 4th Sean Kiriljan.....AUS  
 5th David Huet.....FRA

##### Women: Laser Radial

Entries 18 Countries 8  
 1st Heidi Gordon.....AUS  
 2nd Larissa Nevierov.....ITA  
 3rd Roberta Hartley.....GBR  
 4th Alison Casey.....AUS  
 5th Roelien Huisman.....NED

#### 1994 Wakayama, JPN

##### Open: Laser Standard

Entries 120 Countries 36  
 1st Nikolas Burfoot.....NZL  
 2nd Pascal Lacoste.....FRA  
 3rd Serge Kats.....NED  
 4th Hamish Pepper.....NZL  
 5th Peer Moberg.....NOR

##### Men: Laser Radial

Entries 82 Countries 14  
 1st Rui Pedro Coelho.....POR  
 2nd Rodion Luka.....UKR  
 3rd Nathan Handley.....NZL  
 4th Yanghe Zhu.....CHN  
 5th Todd Holzappel.....AUS

##### Women: Laser Radial

Entries 33 Countries 8  
 1st Melanie Dennison.....AUS  
 2nd Jacqueline Ellis.....AUS  
 3rd Tracey Tan.....SIN  
 4th Ma. Bettina Marcone.....ARG  
 5th Elizabeth Roberts.....AUS

#### 1993 Takapuna, NZL

##### Open: Laser Standard

Entries 99 Countries 29  
 1st Thomas Johanson.....FIN  
 2nd Peter Tanscheit.....BRA  
 3rd Robert Scheidt.....BRA  
 4th Nikolas Burfoot.....NZL  
 5th Michael Hestbaek.....DEN

##### Men: Laser Radial

#### Entries 102 Countries 15

1st Ben Ainslie.....GBR  
 2nd Daniel Slater.....NZL  
 3rd Allan Coutts.....NZL  
 4th Michael Blackburn.....AUS  
 5th Peter Waring.....NZL

##### Women: Laser Radial

Entries 32 Countries 12  
 1st Carolijn Brouwer.....NED  
 2nd Giselle Camet.....USA  
 3rd Alexandra Verbeek.....NED  
 4th Maria Vlachou.....GRE  
 5th Jacqueline Ellis.....AUS

#### 1991 Porto Carras, GRE

##### Open: Laser Standard

Entries 105 Countries 31  
 1st Peter Tanscheit.....BRA  
 2nd Stefan Warkalla.....GER  
 3rd Mladen Makjanic.....CRO  
 4th Michael Hestbaek.....DEN  
 5th Dimitri Theodorakis.....GRE

##### Men: Laser Radial

Entries 73 Countries 15  
 1st Stewart Casey.....AUS  
 2nd Maria Vlachou.....GRE  
 3rd John Karageorgis.....GRE  
 4th Alessandro Sartorelli.....ITA  
 5th Elias Katchorhis.....GRE

##### Women: Laser Radial

Entries 33 Countries 10  
 1st Maria Vlachou.....GRE  
 2nd Carolijn Brouwer.....NED  
 3rd Ourania Flabouri.....GRE  
 4th Roberta Zucchiniotti.....ITA  
 5th Marina Psychogiou.....GRE

#### 1990 Newport, USA

##### Open: Laser Standard

Entries 103 Countries 26  
 1st Glenn Bourke.....AUS  
 2nd Steven Bowdow.....USA  
 3rd Peter Tanscheit.....BRA  
 4th Mark Brink.....USA  
 5th Steve Irwin.....GBR

##### Men: Laser Radial

Entries 58 Countries 11  
 1st Peter Katcha.....USA  
 2nd John Bondo.....USA  
 3rd Scott Cheney.....USA  
 4th Ardis Bollweg.....NED  
 5th Ulrika Antonsson.....SWE

##### Women: Laser Radial

Entries 30 Countries 11  
 1st Ardis Bollweg.....NED  
 2nd Ulrika Antonsson.....SWE  
 3rd Jacqueline Ellis.....AUS  
 4th Shona Moss.....CAN  
 5th Lotta Nilsson.....SWE

#### 1989 Aarhus, DEN

##### Open: Laser Standard

Entries 104 Countries 28  
 1st Glenn Bourke.....AUS  
 2nd Wouter Deutz.....NED  
 3rd Scott Ellis.....AUS  
 4th Francois Le Castrec.....FRA  
 5th Peter Tanscheit.....BRA

##### Men: Laser Radial

Entries 58 Countries 17  
 1st James Johnstone.....USA  
 2nd Dimitrios Theodorakis.....GRE  
 3rd Jeff Loosemore.....AUS  
 4th Peter Katcha.....USA  
 5th Yuguang Xu.....CHN

##### Women: Laser Radial

Entries 33 Countries 15  
 1st Ardis Bollweg.....NED  
 2nd Giselle Camet.....USA  
 3rd Ulrika Antonsson.....SWE  
 4th Grethe Halvorsen.....NOR  
 5th Marie Dahloff.....SWE

#### 1988 Falmouth, GBR

##### Open: Laser Standard

Entries 82 Countries 24  
 1st Glenn Bourke.....AUS  
 2nd Benny Anderson.....DEN  
 3rd Peter Fox.....NZL  
 4th Mark Brink.....USA

#### 5th Stefan Warkalla.....GER

##### Women: Laser Radial

Entries 31 Countries 14  
 1st Jacqueline Ellis.....AUS  
 2nd Ardis Bollweg.....NED  
 3rd Ann Keates.....GBR  
 4th Ulrika Antonsson.....SWE  
 5th Johanna Harkonmaki.....FIN

##### Youth: Laser Standard

Entries 62 Countries 20  
 1st Ville Aalto Setala.....FIN  
 2nd Joakim Berg.....SWE  
 3rd Jeroen Harderwijk.....NED  
 4th Jon Lasenby.....GBR  
 5th Nikos Nikoltsooudis.....GRE

#### 1987 Melbourne, AUS

##### Open: Laser Standard

Entries 130 Countries 20  
 1st Stuart Wallace.....AUS  
 2nd Gunni Pedersen.....DEN  
 3rd Peter Tanscheit.....BRA  
 4th Nelson Alencastro.....BRA  
 5th Simon Cole.....GBR

#### 1985 Halmstad, SWE

##### Open: Laser Standard

Entries 108 Countries 28  
 1st Lawrence Crispin.....GBR  
 2nd Andreas John.....GER  
 3rd Benny Andersen.....DEN  
 4th Gustaf Svensson.....SWE  
 5th Stefan Warkalla.....GER

##### Women: Laser Standard

Entries 26 Countries 12  
 1st Marit Soderstrom.....SWE  
 2nd Lynne Jewell.....USA  
 3rd Francesca Pavesi.....ITA  
 4th Susanne Madsen.....DEN  
 5th Claudine Tailbout.....FRA

#### 1983 Gulfport, USA

##### Open: Laser Standard

Entries 145 Countries 27  
 1st Oscar Paulich.....NED  
 2nd Per Arne Nilsson.....NOR  
 3rd Asbjorn Amkværn.....SWE  
 4th Roland Gaebler.....GER  
 5th John Irvine.....NZL

##### Women: Laser Standard

Entries 23 Countries 10  
 1st Betsy Gelenitis.....USA  
 2nd Lynne Jewell.....USA  
 3rd Carolle Spooner.....CAN  
 4th Virginia Perry.....USA  
 5th Susanne Madsen.....DEN

#### 1982 Sardinia, ITA

##### Open: Laser Standard

Entries 231 Countries 28  
 1st Terry Neilson.....CAN  
 2nd Andrew Roy.....CAN  
 3rd Mark Brink.....USA  
 4th Peter Vilby.....DEN  
 5th John Irvine.....NZL

##### Women: Laser Standard

Entries 23 Countries 10  
 1st Mon Steenhuis.....NED  
 2nd Vittoria Masotto.....ITA  
 3rd Francesca Pavesi.....ITA  
 4th Susanne Schmidt.....GER  
 5th Barbara Champion.....GBR

#### 1980 Kingston, CAN

##### Open: Laser Standard

Entries 350 Countries 25  
 1st Ed Baird.....USA  
 2nd Jose Barcel Dias.....BRA  
 3rd John Curler.....NZL  
 4th Sjaak Haakman.....NED  
 5th Duncan Lewis.....CAN

##### Women: Laser Standard

Entries: 20  
 1st Marit Soderstrom.....SWE  
 2nd Lynne Jewell.....USA  
 3rd Cheryl Smith.....NZL  
 4th Annette Henderson.....CAN  
 5th Kathy Karlson.....USA

#### 1979 Perth, AUS

#### Open: Laser Standard

Entries 93 Countries 25  
 1st Lasse Hjortnaes.....DEN  
 2nd Peter Conde.....AUS  
 3rd Andrew Menkart.....USA  
 4th Cor Van Aanholt.....NED  
 5th David Perry.....USA

#### 1977 Cabo Frio, BRA

##### Open: Laser Standard

Entries 104 Countries 23  
 1st John Bertrand.....USA  
 2nd Peter Commette.....USA  
 3rd Mark Neelmaan.....NED  
 4th Tim Alexander.....AUS  
 5th Gary Knapp.....USA

#### 1976 Kiel, GER

##### Open: Laser Standard

Entries 77 Countries 24  
 1st John Bertrand.....USA  
 2nd Barry Thom.....NZL  
 3rd Edward Adams.....USA  
 4th Jeff Madrigal.....USA  
 5th Emile Piles.....NED

#### 1974 Bermuda

##### Open: Laser Standard

Entries 108 Countries 24  
 1st Peter Commette.....USA  
 2nd Norm Freeman.....USA  
 3rd Chris Boome.....USA  
 4th Hugo Schmidt.....USA  
 5th Carl Buchan.....USA

#### MASTERS WORLD CHAMPIONSHIPS

#### 2015 Kingston, CAN

##### Entries 247 Countries 25

##### Laser Standard

Apprentices  
 1st Adonis Bougiouris.....GRE  
 2nd Matt Blakey.....NZL  
 3rd Paul Scullion.....GBR  
 4th Deniz May.....GBR  
 5th Ray Davies.....CAN

##### Masters

1st Brett Beyer.....AUS  
 2nd Peter Hurley.....USA  
 3rd Art Bann.....DOM  
 4th Marc Jacobi.....USA  
 5th Brad Taylor.....AUS

##### Grand Masters

1st Peter Shope.....USA  
 2nd Andy Roy.....CAN  
 3rd Mark Bear.....USA  
 4th Vann Wilson.....USA  
 5th Gavin Dagley.....AUS

##### Great Grand Masters

1st Mark Bethwaite.....AUS  
 2nd Alan Keen.....RSA  
 3rd Robert Blakey.....NZL  
 4th David Frazer.....USA  
 5th John Robertson.....AUS

##### Laser Radial

##### Apprentices

1st Scott Leith.....NZL  
 2nd Zac Skulander.....AUS  
 3rd Steven Smith.....GBR  
 4th Pierre-Olivier Roy.....CAN  
 5th Duncan Whitrow.....GBR

##### Women Apprentices

1st Erika Vines.....CAN  
 2nd Alexandra Wehrhauch.....GER  
 3rd Dorian Haldeman.....USA  
 4th Jennifer Ruddy.....CAN

##### Masters

1st Keith Davids.....USA  
 2nd Ian Jones.....GBR  
 3rd Joao Ramos.....BRA  
 4th Michael Knowsley.....NZL  
 5th Nigel Heath.....CAN

##### Women Masters

1st Kimberly Couranz.....AUS  
 2nd Margaret Podlich.....USA  
 3rd Monica Wilson.....USA  
 4th Julie Stewart.....CAN

5th	Lisa Pelling	CAN
<b>Grand Masters</b>		
1st	Allan Clark	CAN
2nd	Terry Scutcher	GBR
3rd	Robert Britten	CAN
4th	Jeff Loosemore	AUS
5th	Tim Woodford	CAN
<b>Women Grand Masters</b>		
1st	Paule Samson	CAN
2nd	Judith Krimski	USA
<b>Great Grand Masters</b>		
1st	Robert Lowndes	AUS
2nd	Bill Symes	USA
3rd	Keith Wilkins	GBR
4th	Daniel Devos	FRA
5th	Michael Kinnear	GBR
<b>Women Great Grand Masters</b>		
1st	Hilary Thomas	GBR
<b>Over 75 Masters</b>		
1st	Peter Seidenberg	USA
2nd	Johan van Rossem	CAN
3rd	Michael Shields	NZL
4th	Heini Wellmann	SUI
5th	Geoffrey	AUS
<b>Women Over 75 Masters</b>		
1st	Deirdre Webster	CAN

## 2014 Hyeres, FRA

Entries 499 Countries 36

### Laser Standard Apprentices

1st	Adonis Bougiouris	GRE
2nd	Marciel Grabowski	POL
3rd	Mark Blakey	NZL
4th	Angelo Tabernero	ESP
5th	Urban Nyhammar	SWE

### Masters

1st	Brett Beyer	AUS
2nd	Arnoud Hummel	NED
3rd	Peter Shoppe	USA
4th	Scott Fessoun	USA
5th	Christian Gunn Pedersen	DEN

### Grand Masters

1st	Nick Harrison	GBR
2nd	Andy Roy	CAN
3rd	Peter Vessella	USA
4th	Colin Dibb	AUS
5th	Wolfgang Gerz	GER

### Great Grand Masters

1st	Mark Bethwaite	AUS
2nd	Robert Blakey	NZL
3rd	John Dawson Edwards	CAN
4th	John Roberson	AUS
5th	Christopher Fyans	GBR

### Laser Radial Apprentices

1st	Jon Emmett	GBR
2nd	Scott Leith	NZL
3rd	Alp Alpogut	TUR
4th	Iago Whately	BRA
5th	Edmund Tam	NZL

### Women Apprentices

1st	Monica Azon	ESP
2nd	Cecile Venaut	FRA
3rd	Caroline Muselet	CAN
4th	Alexandra Weihrach	GER

### Masters

1st	Stephen Cockerill	GBR
2nd	Mark Kennedy	AUS
3rd	Joao Ramos	BRA
4th	Richard Blakey	NZL
5th	Ian Jones	GBR

### Women Masters

1st	Helene Viazzo	FRA
2nd	Agneta Jonsson	SWE
3rd	Diane Sissingh	AUS
4th	Claudine Tailbouet	FRA
5th	Giovanna Lenci	ITA

### Grand Masters

1st	Michael Keeton	NZL
2nd	Jeff Loosemore	AUS
3rd	Terry Scutcher	GBR
4th	Vanessa Dudley	AUS
5th	Brett Wright	BER

### Women Grand Masters

1st	Vanessa Dudley	AUS
2nd	Ann Keates	GBR
3rd	Lyndal Patterson	AUS
4th	Isabelle Arnoux	FRA
5th	Lesley Reichenfeld	CAN

### Great Grand Masters

1st	Keith Wilkins	GBR
2nd	Robert Lowndes	AUS

3rd	Peter Seidenberg	USA
4th	Jacky Nebrel	FRA
5th	Bill Symes	USA

### Women Great Grand Masters

1st	Hilary Thomas	GBR
<b>Over 75 Masters</b>		
1st	Peter Seidenberg	USA
2nd	Kerry Waraker	AUS
3rd	Denis O'Sullivan	IRL
4th	Ken Holliday	RSA
5th	Peter Craig	AUS

### Women Over 75 Masters

1st	Deirdre Webster	CAN
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### Laser 4.7 Masters

1st	Stephen Walsh	AUS
2nd	Akemi Nagaoka	JPN
3rd	Waltraud Schmitt	FRA
4th	Jean-Francois Farrugia	FRA

### Women Masters

1st	Akemi Nagaoka	JPN
2nd	Waltraud Schmitt	FRA

## 2013 Al Mussanah, OMN

Entries 186 Countries 31

### Laser Standard Apprentices

1st	Scott Leith	NZL
2nd	Niklas Edler	SWE
3rd	Alastair Tate	NZL
4th	Kris Decke	NZL
5th	Alan Coutts	OMA

### Masters

1st	Al Clark	CAN
2nd	Arnoud Hummel	NED
3rd	Chris Dawson	AUS
4th	Benoit Meesemaeker	FRA
5th	Torbjorn Jonsson	SWE

### Grand Masters

1st	Greg Adams	AUS
2nd	Terry Scutcher	GBR
3rd	Wolfgang Gerz	GER
4th	Tim aw	GBR
5th	Robert Britten	CAN

### Great Grand Masters

1st	Mark Bethwaite	AUS
2nd	Robert Blakey	NZL
3rd	John Roberson	AUS
4th	Sandy Grigg	NZL
5th	Stephen Wawn	AUS

### Laser Radial Apprentices

1st	Jon Emmett	GBR
2nd	Fabio Syama Ramos	BRA
3rd	Edmund Tam	NZL
4th	Ian Gregory	GBR
5th	Niall Phelps	GBR

### Women Apprentices

1st	Kimberly Couranz	USA
2nd	Alexandra Weihrach	GER

### Masters

1st	Ian Jones	GBR
2nd	Joao Ramos	BRA
3rd	Martin Van Olfen	NED
4th	Matthias Bruhl	GER
5th	Robert Cage	GBR

### Women Masters

1st	Agneta Jonsson	SWE
2nd	Diane Sissingh	AUS
3rd	Martien Zeegers-Nouwen	NED
4th	Lindsay Whitton	AUS

### Grand Masters

1st	Vanessa Dudley	AUS
2nd	Bruce Martinson	USA
3rd	Michael Pridham	GBR
4th	Doug Peckover	USA
5th	Bo Johannisson	SWE

### Women Grand Masters

1st	Vanessa Dudley	AUS
1st	Peter Seidenberg	USA
2nd	Keith Wilkins	GBR
3rd	Henk Wittenberg	ned
4th	Michael Kinnear	GBR
5th	Steve Avery	USA

### Women Great Grand Masters

1st	Hilary Thomas	GBR
2nd	Elaine Capps	AUS

## 2012 Brisbane, AUS

Entries 232 Countries 19

### Laser Standard Apprentices

1st	Scott Leith	NZL
2nd	Niklas Edler	SWE
3rd	Alastair Tate	NZL
4th	Kris Decke	NZL
5th	Alan Coutts	OMA

### Masters

1st	Al Clark	CAN
2nd	Arnoud Hummel	NED
3rd	Chris Dawson	AUS
4th	Benoit Meesemaeker	FRA
5th	Torbjorn Jonsson	SWE

### Grand Masters

1st	Mark Bethwaite	AUS
2nd	Robert Blakey	NZL
3rd	John Roberson	AUS
4th	Sandy Grigg	NZL
5th	Stephen Wawn	AUS

### Apprentices

1st	Matias Del Solar	CHI
2nd	Tony Baisden	AUS
3rd	Brett Morris	AUS
4th	Kent Coppelstone	NZL
5th	Rod Woodward	NZL

### Masters

1st	Brett Beyer	AUS
2nd	Bradley Taylor	AUS
3rd	Sean Atherton-Feeney	AUS
4th	Andrew Dellabarca	NZL
5th	Mike Matan	GBR

### Grand Masters

1st	Wolfgang Gerz	GER
2nd	Tracy Usher	GER
3rd	Andre Martinie	DOM
4th	Malcolm Courts	GBR
5th	Mark Bethwaite Am	AUS

### Laser Radial Apprentices

1st	Scott Leith	NZL
2nd	Richard Bott	AUS
3rd	Danny Fuller	AUS
4th	Matthias Bruhl	GER
5th	Edmund Tam	NZL

### Women Apprentices

1st	Myra Robertson	AUS
2nd	Anita Smith	AUS
3rd	Ruth Mccance	AUS
4th	Jane Moffat	AUS
5th	Christy Usher	USA

### Masters

1st	Mark Orams	NZL
2nd	Greg Adams	AUS
3rd	Mark Kennedy	AUS
4th	David Early	AUS
5th	Grant Willmott	AUS

### Women Masters

1st	Christine Bridge	AUS
2nd	Vanessa Dudley	AUS
3rd	Agneta Jonsson	SWE
4th	Diane Sissingh	AUS
5th	Kirsteen Reid	RSA

### Grand Masters

1st	Michael Keeton	NZL
2nd	Adam French	AUS
3rd	Pete Thomas	NZL
4th	Doug Peckover	USA
5th	Jeff Loosemore	AUS

### Women Grand Masters

1st	Lyndal Patterson	AUS
2nd	Lesley Reichenfeld	CAN

### Great Grand Masters

1st	Kerry Waraker	AUS
2nd	Keith Wilkins	GBR
3rd	Peter Seidenberg	USA
4th	Kevin Phillips	AUS
5th	Lew Verdon	AUS

### Women Great Grand Masters

1st	Hilary Thomas	GBR
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### Laser 4.7 Masters

1st	Claire Heenan	AUS
2nd	Peter Charlton	AUS
3rd	George Meikle	AUS
4th	Martin Brady	AUS
5th	Bronwyn Mitchell	AUS

### Women Masters

1st	Claire Heenan	AUS
2nd	Bronwyn Mitchell	AUS
3rd	Michelle Lefevre	RSA
4th	Janet Kemp	AUS
5th	Jenny Walker	AUS

## 2011 San Francisco, USA

Entries 236 Countries 27

### Laser Standard Apprentices

1st	Benjamin Richardson	USA
2nd	Orlando Gledhill	GBR
3rd	Kevin Taugher	USA
4th	Gaspare Silvestri	ITA
5th	David Armitage	USA

### Masters

1st	Arnoud Hummel	NED
2nd	Brett Beyer	AUS
3rd	Scott Ferguson	USA
4th	Russ Silvestri	USA
5th	Otto Strandvig	DEN

### Grand Masters

1st	Colin Dibb	AUS
2nd	Peter Vessella	USA
3rd	Malcolm Courts	GBR

4th	Lard Hansen	USA
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5th	Wolfgang Gerz	GER
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### Laser Radial Apprentices

1st	Scott Leith	NZL
2nd	Edmund Tam	NZL
3rd	Ian Gregory	GBR
4th	Joe Burcar	USA
5th	Pablo Cervantes	MEX

### Women Apprentices

1st	Buff Wendt	USA
2nd	Michelle Davis	USA
3rd	Kate Easton	CAN

### Masters

1st	Al Clark	CAN
2nd	Carlos E. Wanderley	BRA
3rd	Marcelo Fuchs	BRA
4th	Gary Ratcliffe	AUS
5th	Mark Page	NZL

### Women Masters

1st	Diane Sissingh	AUS
2nd	Isabelle Barbeau	TAH

### Grand Masters

1st	William Symes	USA
2nd	Bruce Martinson	USA
3rd	Robert Lowndes	AUS
4th	Peter Heywood	AUS
5th	Walt Spevak	USA

### Women Grand Masters

1st	Lesley Reichenfeld	CAN
2nd	Inira Pashutin	ISR
3rd	Kathy Luciano	USA

### Great Grand Masters

1st	Keith Wilkins	GBR
2nd	Peter Seidenberg	USA
3rd	Jim Quinn	NZL
4th	Lindsay Hewitt	GBR
5th	Michael Kinnear	GBR

## 2010 Hayling Island, GBR

Entries 354 Countries 31

### Laser Standard Apprentices

1st	Brett Beyer	AUS
2nd	Adonis Bougiouris	GRE
3rd	Jyrki Taiminen	FIN
4th	Orlando Gledhill	GBR
5th	Benjamin Richardson	USA

### Masters

1st	Scott Ferguson	USA
2nd	Arnoud Hummel	NED
3rd	John Bertrand	USA
4th	Christian Gunn Pedersen	DEN
5th	Al Clark	CAN

### Grand Masters

3rd	Johan Stam	NED
4th	Jim Quinn	NZL
5th	Kerry Waraker	AUS
<b>Women Great Grand Masters</b>		
1st	Hilary Thomas	GBR
2nd	Deirdre Webster	CAN

### 2009 Halifax, CAN

Entries 295 Countries 26

#### Laser Standard

##### Apprentices

1st	Adonis Bougiouris	GRE
2nd	Brett Beyer	AUS
3rd	Orlando Gledhill	GBR
4th	Ray Davies	CAN
5th	Stewart Casey	AUS

##### Masters

1st	Scott Ferguson	USA
2nd	Arnoud Hummel	NED
3rd	Andrew Pimental	AUS
4th	Mark Bear	USA
5th	Jan Scholten	AUS

##### Grand Masters

1st	Wolfgang Gerz	GER
2nd	Mark Bethwaite	AUS
3rd	Alan Keen	RSA
4th	Jack Schlachter	AUS
5th	Bill Symes	USA

#### Laser Radial

##### Apprentices

1st	Richard Bott	AUS
2nd	Scott Leith	NZL
3rd	Grant Willmott	AUS
4th	Edmund Tam	NZL
5th	Matthias Bruhl	GER

##### Women Apprentices

1st	Alison Casey	AUS
2nd	Yvonne Malmsten	SWE
3rd	Kimberley Couranz	USA

##### Masters

1st	Carlos E. Wanderley	BRA
2nd	Greg Adams	AUS
3rd	Joao Ramos	BRA
4th	Michael Knowsley	NZL
5th	Nigel Heath	CAN

##### Women Masters

1st	Lyndal Patterson	AUS
2nd	Vanessa Dudley	AUS
3rd	Agneta Jonsson	SWE

##### Grand Masters

1st	Peter Heywood	AUS
2nd	Michael Pridham	GBR
3rd	Ian Rawet	GBR
4th	Alden Shattuck	USA
5th	Kevin Pearson	GBR

##### Women Grand Masters

1st	Sally Sharp	USA
2nd	Hilary Thomas	GBR
3rd	Gill Waiting	NZL

##### Great Grand Masters

1st	Peter Seidenberg	AUS
2nd	Kerry Waraker	GBR
3rd	Michael Kinnear	GBR
4th	Jim Quinn	NZL
5th	Lindsay Hewitt	USA

##### Women Great Grand Masters

1st	Deirdre Webster	CAN
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### 2008 Terrigal, AUS

Entries 370 Countries 22

#### Laser Standard

##### Apprentices

1st	Brett Beyer	AUS
2nd	Roban Lord	NZL
3rd	Jyrki Taiminen	FIN
4th	Orlando Gledhill	GBR
5th	Christopher Gowers	GBR

##### Masters

1st	Jan Scholten	AUS
2nd	Bradley Taylor	AUS
3rd	Peter Conde	AUS
4th	Aody Roy	CAN
5th	Colin Dibb	AUS

##### Grand Masters

1st	Mark Bethwaite	AUS
2nd	Wolfgang Gerz	GER
3rd	Jack Schlachter	AUS
4th	Robert Lowndes	AUS
5th	Michael Nissen	GER

#### Laser Radial

##### Apprentices

1st	James Liebl	USA
2nd	John Jagger	AUS

3rd	Richard Bott	AUS
4th	Scott Leith	NZL
5th	David Early	AUS
<b>Women Apprentices</b>		
1st	Alison Casey	AUS
2nd	Justine Ella	AUS
3rd	Yvonne Malmsten	SWE

##### Masters

1st	Mark Orams	NZL
2nd	Stephen Cockerill	GBR
3rd	Greg Adams	AUS
4th	Al Clark	CAN
5th	Chris Raab	USA

##### Women Masters

1st	Christine Bridge	AUS
2nd	Lyndal Patterson	AUS
3rd	Vanessa Dudley	AUS

##### Grand Masters

1st	Peter Heywood	AUS
2nd	Brian Watson	AUS
3rd	Peter Whipp	GBR
4th	Leu Verdon	AUS
5th	Ian Rawet	GBR

##### Women Grand Masters

1st	Gill Waiting	NZL
2nd	Peter Seidenberg	USA
3rd	Kerry Waraker	AUS
4th	Tom Speed	NZL
5th	Howard Taylor	AUS

### 2007 Roses, ESP

Entries 419 Countries 33

#### Laser Standard

##### Apprentices

1st	Brett Beyer	AUS
2nd	Orlando Gledhill	GBR
3rd	Stephen Cockerill	GBR
4th	Xav Leclair	FRA
5th	Erasun Echavari	ESP

##### Masters

1st	Arnoud Hummel	NED
2nd	Al Clark	CAN
3rd	César Sierhuis	NED
4th	Scott Ferguson	USA
5th	Peter Vessella	USA

##### Grand Masters

1st	Mark Bethwaite	AUS
2nd	Michael Nissen	GER
3rd	Anders Sörensson	SWE
4th	Jack Schlachter	AUS
5th	William Symes	USA

#### Laser Radial

##### Apprentices

1st	Mark	NZL
2nd	Freek Miranda	NED
3rd	Wilmar Groenendijk	NED
4th	Matthias Bruhl	GER
5th	David Early	AUS

##### Women Apprentices

1st	Agneta Jonsson	SWE
2nd	Yvonne Malmsten	SWE
3rd	Christelle Marsault	FRA

##### Masters

1st	Greg Adams	AUS
2nd	Robert Cage	GBR
3rd	Martin Baltischeffsky	FIN
4th	John Reay	GBR
5th	Richard Major	GBR

##### Women Masters

1st	Lyndal Patterson	AUS
2nd	Janet Kemp	AUS
3rd	Claudine Tatibouet	FRA

##### Grand Masters

1st	Peter Heywood	AUS
2nd	Peter Whipp	GBR
3rd	Alden Shattuck	USA
4th	Ian Rawett	GBR
5th	Serge Raphalen	FRA

##### Women Grand Masters

1st	Hilary Thomas	GBR
2nd	Caroline Jarnage	GBR
3rd	Peter Seidenberg	USA
2nd	Kerry Waraker	AUS
3rd	Heini Wellmann	SUI
4th	Greg Marshall	AUS
5th	Bill Watson	GBR

##### Women Great Grand Masters

1st	Deirdre Webster	CAN
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### 2006 Jeju Island, KOR

Entries 72 Countries 14

#### Laser Standard

##### Apprentices

1st	Brett Beyer	AUS
2nd	Orlando Gledhill	GBR
3rd	Giles Grigg	NZL
4th	Richard Blakey	NZL
5th	Kevin Currier	IRL

##### Masters

1st	Brodie Cobb	USA
2nd	Tracy Usher	USA
3rd	Mark Bear	USA
4th	Andre Martinie	DOM
5th	Malcolm Courts	GBR

##### Grand Masters

1st	Doug Peckover	USA
2nd	Robert Lowndes	AUS
3rd	Derek Breitenstein	FIN
4th	Bob Blakey	NZL
5th	Ken Brown	CAN

#### Laser Radial

##### Apprentices

1st	Steve Cockerill	GBR
2nd	Mark Page	NZL
3rd	David Early	AUS
4th	Christine Bridge	AUS

##### Masters

1st	Greg Adams	AUS
2nd	Bruce Martinson	AUS
3rd	Martin Baltischeffsky	FIN
4th	Lyndal Patterson	AUS
5th	Gregory Kemp	AUS

##### Grand Masters

1st	Alden Shattuck	AUS
2nd	Peter Whipp	GBR
3rd	Ian Rawet	GBR
4th	Mark Miller	NZL
5th	Hilary Thomas	GBR

##### Great Grand Masters

1st	Peter Seidenberg	USA
2nd	Kerry Waraker	AUS
3rd	Sandy Grigg	NZL
4th	Tom Speed	NZL
5th	Greg Marshall	AUS

##### Women

1st	Christine Bridge	AUS
2nd	Lyndal Patterson	AUS
3rd	Janet Kemp	AUS
4th	Hilary Thomas	GBR
5th	Lesley Hotchin	GBR

### 2005 Fortaleza, BRA

Entries 183 Countries 25

#### Laser Standard

##### Apprentices

1st	Brett Beyer	AUS
2nd	Xavier Leclair	FRA
3rd	Scott Ferguson	USA
4th	Mark Page	NZL
5th	Larry Kleist	AUS

##### Masters

1st	Murray Thom	NZL
2nd	Peter Conde	AUS
3rd	Kurt Miller	USA
4th	Gonzalo Campero	ARG
5th	Vann Wilson	USA

##### Grand Masters

1st	Mark Bethwaite	AUS
2nd	Nicola Livingstone	GBR
3rd	Keith Wilkins	GBR
4th	Ted Moore	USA
5th	John Dawson Edwards	CAN

##### Laser Radial

##### Apprentices

1st	Mark Orams	NZL
2nd	Stephen Cockerill	GBR
3rd	Carlos Eduardo Wanderley	BRA
4th	David Early	HKG
5th	Wilmar Groenendijk	NED

##### Women Apprentices

1st	Kim Ferguson	USA
2nd	Lisa Garaty	AUS

##### Masters

1st	Alexander Nikolaev	RUS
2nd	Adam French	AUS
3rd	Chris Raab	USA
4th	Aldo Cesar Guimarães	BRA
5th	Lyndal Patterson	AUS

##### Women Masters

1st	Lyndal Patterson	AUS
2nd	Janet Kemp	AUS
3rd	Kathy Herrmann	AUS

##### Grand Masters

1st	Peter Heywood	AUS
2nd	Gary McCrohon	AUS
3rd	Alden Shattuck	USA
4th	Poopy Marcon	FRA
5th	Peter Whipp	GBR
<b>Great Grand Masters</b>		
1st	Kerry Waraker	AUS
2nd	Peter Seidenberg	USA
3rd	Denis O'Sullivan	IRL
4th	Heini Wellmann	SUI
5th	Sandy Grigg	NZL

### 2004 Bitez, TUR

Entries 153 Countries 30

#### Standard Rig

##### Apprentices

1st	Brett Beyer	AUS
2nd	Stephen Cockerill	GBR
3rd	Martin Lehner	AUT
4th	Nick Walsh	IRL
5th	Mati Sepp	EST

##### Masters

1st	Colin Dibb	AUS
2nd	Jack Schlachter	AUS
3rd	Tracy Usher	USA
4th	Brett Wright	BER
5th	Mark Bear	USA

##### Grand Masters

1st	Mark Bethwaite	AUS
2nd	Magnus Olin	SWE
3rd	David Edmiston	AUS
4th	Robert Lowndes	AUS
5th	Sandy Grigg	NZL

#### Laser Radial

##### Apprentices

1st	David Early	HKG
2nd	Aydin Yurdum	TUR
3rd	Martin Baltischeffsky	FIN
4th	Kulent Baha Akin	TUR
5th	Claudio Gallizoli	ITA

##### Women Apprentices

1st	Yvonne Malmsten	SWE
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##### Masters

1st	Goran Bonacic	CRO
2nd	Lyndal Patterson	AUS
3rd	Bruce Martinson	USA
4th	Olivier Falque	FRA
5th	Laurent Vige	FRA

##### Women Masters

1st	Lyndal Patterson	AUS
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##### Grand Masters

1st	Poopy Marcon	FRA
2nd	Alden Shattuck	USA
3rd	Peter Whipp	GBR
4th	Heini Wellmann	SUI
5th	Mark Miller	NZL

##### Great Grand Masters

1st	Peter Seidenberg	USA
2nd	Jack Hansen	NZL
3rd	Kenneth Holliday	RSA
4th	Denis O'Sullivan	IRL
5th	David Flakelar	AUS

### 2003 Cadiz, ESP

2nd	Yvonne Malmsten	SWE
3rd	Susan Brown	GBR
<b>Masters</b>		
1st	Alastair McMichael	AUS
2nd	Bruce Martinson	USA
3rd	Lyndall Patterson	USA
4th	Christian Borenus	FIN
5th	Peter Whipp	GBR
<b>Women Masters</b>		
1st	Lyndall Patterson	AUS
2nd	Jan Kemp	AUS
3rd	Okumura Hiroko	JPN
<b>Grand Masters</b>		
1st	Alden Shattuck	USA
2nd	Henk Wittenberg	NED
3rd	Gary McCrohon	AUS
4th	Roger Williams	BER
5th	Gerard Jeannot	FRA
<b>Great Grand Masters</b>		
1st	Peter Seidenberg	USA
2nd	Tom Speed	NZL
3rd	Bill Watson	GBR
4th	Heinz Gebauer	CAN
5th	Denis O'Sullivan	IRL

## 2002 Hyannis, USA

Entries 270 Countries 24

### Laser Standard

#### Apprentices

1st	Andreas John	GER
2nd	Brett Beyer	AUS
3rd	Mark Littlejohn	GBR
4th	Andrew Pimental	USA
5th	Jyrki Taiminen	FIN

#### Masters

1st	Ed Adams	USA
2nd	Mark Bear	USA
3rd	Peter Vessella	USA
4th	Charles Tripp	USA
5th	Tracy Usher	USA

#### Grand Masters

1st	Keith Wilkins	GBR
2nd	Bill Symes	USA
3rd	Peter Seidenberg	USA
4th	Robert Lowndes	AUS
5th	Jack Hansen	NZL

### Laser Radial

#### Apprentices

1st	Stephen Cockerill	GBR
2nd	Mark Orams	NZL
3rd	Wilmar Groenendijk	NED
4th	Ryan Minth	USA
5th	Robert Falk	USA

#### Masters

1st	Adam French	AUS
2nd	Alden Shattuck	USA
3rd	Bruce Martinson	USA
4th	Diane Burton	USA
5th	Richard Ineson	NZL

#### Grand Masters

1st	Lindsay Hewitt	USA
2nd	Colin Maddren	NZL
3rd	Mark Miller	NZL
4th	James Johnston	USA
5th	Lew Verdon	AUS

### Great Grand Masters

1st	Dick Tillman	USA
2nd	Henry de Wolf Jr.	USA
3rd	Heinz Gebauer	CAN
4th	Jim Christopher	USA
5th	Peter Raymer	GBR

#### Women

1st	Diane Burton	USA
2nd	Jane Codman	USA
3rd	Sally Sharp	USA
4th	Yvonne Malmsten	SWE
5th	Debbie Phillips	GBR

## 2001 Cork, IRL

Entries 314 Countries 25

### Laser Standard

#### Apprentices

1st	Brett Beyer	AUS
2nd	Mark Littlejohn	GBR
3rd	Doug McGain	AUS
4th	Mark Lyttle	IRL
5th	Marc Jacobi	USA

#### Masters

1st	Colin Dibb	AUS
2nd	Ian Lineberger	USA
3rd	Anders Sorensson	SWE
4th	Mark Bethwaite	AUS
5th	Malcolm Courts	GBR

## Grand Masters

1st	Keith Wilkins	GBR
2nd	Philip Pegler	AUS
3rd	Jacky Nebrel	FRA
4th	Bob Blakey	NZL
5th	Barry Waller	AUS

### Laser Radial

#### Great Grand Masters

1st	Henry de Wolf Jr.	USA
2nd	Fradin Schoettle	USA
3rd	Heinz Gebauer	CAN
4th	Anthony Denham	AUS
5th	James Christopher	USA

### Laser Radial Open

2nd	Wilmar Groenendijk	GBR
3rd	Thomas Urban	SWE
4th	John Reay	GBR
5th	Jean Luc Michon	FRA

### Laser Radial Women

1st	Roberta Hartley	GBR
2nd	Lyndall Patterson	AUS
3rd	Claire Davison	GBR
4th	Yvonne Malmsten	SWE
5th	Jan Kemp	AUS

## 2000 Cancun, MEX

Entries 147 Countries 20

### Laser Standard

#### Apprentices

1st	Alan Davis	GBR
2nd	Alexandre Nikolaev	RUS
3rd	Terry Scutcher	GBR
4th	Bill O'Hara	IRL
5th	Martin Hallsten	SWE

#### Masters

1st	Mark Bethwaite	AUS
2nd	Rob Coutts	NZL
3rd	Doug Peckover	USA
4th	Jack Schlachter	AUS
5th	Alan Keen	RSA

1st	Keith Wilkins	GBR
2nd	Dick Tillmann	USA
3rd	Joe van Rossem	CAN
4th	Ian Rawet	GBR
5th	Tom Speed	NZL

### Laser Radial

#### Great Grand Masters

1st	Henry de Wolf Jr.	USA
2nd	Kurt Zueger	SUI
3rd	Heinz Gebauer	CAN
4th	Geoffrey Myburgh	RSA
5th	Robert Salmarsch	USA

### Laser Radial Open

1st	Adam French	AUS
2nd	Wilmar Groenendijk	NED
3rd	Glyn Purnell	GBR
4th	Lew Verdon	AUS
5th	Henry de Wolf Jr.	USA

### Laser Radial Women

1st	Sally Sharp	USA
2nd	Jennie King	GBR
3rd	Karyn Voos	USA
4th	Alicson Knight	IVB

## 1999 Melbourne, AUS

Entries 237 Countries 22

### Laser Standard

#### Apprentices

1st	Mark Littlejohn	GBR
2nd	Andreas John	GER
3rd	Alan Davis	GBR
4th	Bill O'Hara	IRL
5th	Brad Taylor	AUS

#### Masters

1st	Keith Wilkins	GBR
2nd	Peter Sundheim	SWE
3rd	Doug Peckover	USA
4th	Jack Schlachter	AUS
5th	Timothy Alexander	AUS

#### Grand Masters

1st	Graham Oborn	AUS
2nd	Jack Hansen	NZL
3rd	Keith Vann	NZL
4th	Ben Piefke	AUS
5th	Kerry Waraker	AUS

### Laser Radial

#### Great Grand Masters

1st	Haruyoshi Kimura	AUS
2nd	Haruyoshi Kimura	JPN
3rd	Geoffrey Myburgh	RSA

4th	Kurt Zueger	SUI
5th	Peter O'Grady	AUS

### Laser Radial Open

1st	Mark Orams	NZL
2nd	Alexandre Nikolaev	RUS
3rd	Frank Innon	AUS
4th	Wilmar Groenendijk	NED
5th	Adam French	AUS

### Laser Radial Women

1st	Lyndall Patterson	AUS
2nd	Helen Cooksey	AUS
3rd	Sally Sharp	USA
4th	Susan Fielding	AUS
5th	Lesley Hotchin	GBR

## 1997 Algarrobo, CHI

Entries 128 Countries 21

### Laser Standard

#### Apprentices

1st	Herman Cristian	CHI
2nd	Alan Davis	GBR
3rd	Marcelo Fuschs	BRA
4th	Terry Scutcher	GBR
5th	Bill O'Hara	IRL

#### Masters

1st	Doug Peckover	USA
2nd	Mark Bethwaite	AUS
3rd	Keith Wilkins	GBR
4th	Jack Schlachter	AUS
5th	Barry Waller	AUS

### Grand Masters

1st	Colin Lovelady	AUS
2nd	Peter Seidenberg	USA
3rd	Wilhelm Gerlinger	GER
4th	Joe van Rossem	CAN
5th	Jack Hansen	NZL

### Laser Radial

#### Great Grand Masters

1st	Heinz Gebauer	CAN
2nd	Doug Bates	NZL
3rd	Keith Wilkins	AUS
4th	Peter Raymer	GBR
5th	Robert Salmarsch	USA

### Laser Radial Open

1st	Wilmar Groenendijk	NED
2nd	Aydin Yurdum	TUR
3rd	Alexandre Nikolaev	RUS
4th	Gary McCrohon	AUS
5th	Heinz Gebauer	CAN

## 1996 Cape Town, RSA

Entries 155 Countries 21

### Laser Standard

#### Apprentices

1st	Peter Wilson	RSA
2nd	Robert Douglass	RSA
3rd	Regis Berenguer	FRA
4th	Terry Scutcher	GBR
5th	Chris Rodowicz	AUS

#### Masters

1st	Keith Wilkins	GBR
2nd	Mark Bethwaite	AUS
3rd	Alan Keen	RSA
4th	Barry Waller	AUS
5th	Doug Peckover	USA

#### Grand Masters

1st	Ben Piefke	AUS
2nd	Denis O'Sullivan	IRL
3rd	Colin Lovelady	AUS
4th	Peter Seidenberg	USA
5th	Ken Holiday	RSA

### Laser Radial

#### Laser Radial Open

1st	Adam French	AUS
2nd	Alexandre Nikolaev	RUS
3rd	Kevin Bloor	AUS
4th	Rui Sancho	ANG
5th	Gary McCrohon	AUS

## 1995 Tenerife, ESP

Entries 113 Countries 20

### Apprentices

1st	Nicholas Harrison	GBR
2nd	Lance Burger	RSA
3rd	Tomas Franzen	SWE
4th	Peter Saxton	GBR
5th	Norio Akiyama	JPN

#### Masters

1st	Keith Wilkins	GBR
2nd	Barry Waller	AUS
3rd	Ted Moore	USA
4th	Pieter Dekker	NED

5th	Jacky Nebrel	FRA
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### Grand Masters

1st	Colin Lovelady	AUS
2nd	Peter Seidenberg	USA
3rd	Jack Hansen	NZL
4th	Joe van Rossem	CAN
5th	Michael Heath	AUS

## 1994 Wakayama, JPN

Entries 131 Countries 15

### Apprentices

1st	Norio Akiyama	JPN
2nd	Nicholas Harrison	GBR
3rd	Nelson Horn Ilha	BRA
4th	Koichiro Naito	JPN
5th	Doug Peckover	USA

#### Masters

1st	Keith Wilkins	GBR
2nd	Hiroyuki Uehara	JPN
3rd	Mark Bethwaite	AUS
4th	Katsumi Hirano	JPN
5th	Ian Rawet	GBR

### Grand Masters

1st	Colin Lovelady	AUS
2nd	Peter Seidenberg	USA
3rd	Denis O'Sullivan	IRL
4th	Barry Pownall	AUS
5th	Tony Denham	AUS

## 1993 Takapuna, NZL

Entries 186 Countries 22

### Apprentices

1st	Paul Page	NZL
2nd	Neville Wittey	AUS
3rd	Murray Thom	NZL
4th	Andrew York	AUS
5th	Lance Burger	USA

#### Masters

1st	Keith Wilkins	GBR
2nd	Johny Rigg	AUS
3rd	Mark Bethwaite	AUS
4th	Barry Waller	AUS
5th	John Douglas	NZL

### Grand Masters

1st	Colin Lovelady	AUS
2nd	Denis O'Sullivan	USA
3rd	Barry Pownall	AUS
4th	Ralph Ellis	AUS
5th	John Maynard	GBR

### Great Grand Masters

1st	Doug Bates	NZL
2nd	Robert Salmarsch	USA
<b>Women</b>		
1st	Jill Robertson	CAN
2nd	Sally Sharp	USA

## 1991 Porto Carras, GRE

Entries 107 Countries 23

### Laser Standard

#### Apprentices

1st	Stephen Birbeck	GBR
2nd	Mark Phillips	AUS
3rd	Mario Orlich	ITA
4th	Geoffrey McGillivray	AUS
5th	Peter Wolfe	IRL

#### Masters

1st	Keith Wilkins	GBR
2nd	Peter Seidenberg	CAN
3rd	Barry Waller	AUS
4th	Willi Gerlinger	GER
5th	Ilkka Schroderus	FIN

### Grand Masters

1st	Friedhelm Lixenfeld	GER
2nd	Jim Christopher	USA
3rd	Tom Denham	AUS
4th	Norman Freeman	USA
5th	Nick Paine	GBR

### 1989 Aarhus, DEN

Entries 114 Countries 25

#### Apprentices

1st	Keith Wilkins	GBR
2nd	Phil Graves	CAN
3rd	Jeff Loosemore	AUS
4th	Had Brick	USA
5th	Peter Griffiths	NZL

#### Masters

1st	John Rigg	AUS
2nd	Curt Blidner	SWE
3rd	Christer Baath	SWE
4th	Denis O'Sullivan	IRL
5th	Peter Seidenberg	CAN

#### Grand Masters

1st	Friedhelm Lixenfeld	GER
2nd	Jack Swenson	USA
3rd	Heinz Gebauer	CAN
4th	Nick Paine	GBR
5th	Robert Saltmarsh	USA

### 1988 Falmouth, GBR

Entries 156 Countries 24

#### Apprentices

1st	Jeff Loosemore	AUS
2nd	Philip Graves	CAN
3rd	Had Brick	USA
4th	Keith Wilkins	GBR
5th	Peter Heywood	AUS

#### Masters

1st	Peter Seidenberg	CAN
2nd	Colin Lovelady	AUS
3rd	John Maynard	GBR
4th	John Rigg	AUS
5th	Nils Andersson	USA

#### Grand Masters

1st	Friedhelm Lixenfeld	GER
2nd	Geoffrey Myburgh	RSA
3rd	Heinz Gebauer	CAN
4th	Peter Milnes	USA
5th	Jan Nouwen	NED

### 1987 Melbourne, AUS

Entries 106 Countries 22

#### Apprentices

1st	Phil Peglar	AUS
2nd	Warwick Phillips	AUS
3rd	John Sprague	AUS
4th	Geoff Gale	AUS
5th	Willi Gerlinger	GER

#### Masters

1st	John Rigg	AUS
2nd	Michael Heath	AUS
3rd	Peter Seidenberg	CAN
4th	Colin Lovelady	AUS
5th	Greg Marshall	AUS

#### Grand Masters

1st	Alan Clark	AUS
2nd	Alec McClure	AUS
3rd	Graham Gilbert	AUS
4th	Doug Bates	NZL
5th	Bob White	AUS

### 1985 World Masters Games

#### Toronto, CAN

Entries 101

#### Apprentices

1st	David Olsen	USA
2nd	Ben Lashaway	USA
3rd	Richard Gronblom	FIN

#### Masters

1st	Peter Seidenberg	CAN
2nd	Colin Lovelady	AUS
3rd	Peter Lundt	USA

#### Grand Masters

1st	Alec McClure	AUS
2nd	Alexander Nimick	USA
3rd	Alister Taig	USA

### 1984 Pattaya, THA

Entries 62 Countries 22

#### Apprentices

1st	Richard Verco	AUS
2nd	Paul Millsom	AUS
3rd	Kim Weber	FIN
4th	Roger Williams	UAE
5th	Ilkka Schroderus	FIN

### Masters

1st	John Rigg	AUS
2nd	Peter Seidenberg	CAN
3rd	Colin Lovelady	AUS
4th	Michael Heath	AUS
5th	Denis O'Sullivan	IRL

#### Grand Masters

1st	Alec McClure	AUS
2nd	Doug Bates	NZL
3rd	Alan Clark	AUS
4th	Robert Saltmarsh	USA
5th	Alf Johnson	USA

### 1983 Gulfport, USA

Entries 70

#### Apprentices

1st	Tucker Bragdon	USA
2nd	Philip Peglar	AUS
3rd	Peter Branning	USA
4th	Carolle Spooner	CAN
5th	Roger Williams	QAT

#### Masters

1st	Norman Freeman	USA
2nd	Randall Swan	USA
3rd	Dick Rose	USA
4th	Heinz Gebauer	CAN
5th	Geoff Myburgh	RSA

#### Grand Masters

1st	Alan Clark	AUS
2nd	Alan Levinson	USA
3rd	Bob Saltmarsh	USA
4th	Peter Milnes	USA
5th	Alf Johnson	RSA

### 1982 Sardinia, ITA

Entries 82

#### Apprentices

1st	Paul Millsom	AUS
2nd	Jacky Nebrel	FRA
3rd	Michael Wallace	IRL
4th	Michael Heath	AUS
5th	Tony Manning	AUS

#### Masters

1st	Hans-Luther Striewe	GER
2nd	Geoff Myburgh	RSA
3rd	Nick Paine	GBR
4th	Jack Swenson	USA
5th	Hugo Kroth	GER

#### Grand Masters

1st	Alan Clark	AUS
2nd	Alec McClure	AUS
3rd	Cecil Walker	GBR
4th	Bob Saltmarsh	USA
5th	William ter Weld	NED

### 1981 Bendor, FRA

Entries 52 Countries 11

#### Apprentices

1st	Jacky Nebrel	FRA
2nd	Michael Teilken	GER
3rd	Michael Nerbollier	SUI
4th	Werner Winter	GER
5th	Wolf Peter Niesen	GER

#### Masters

1st	Nick Paine	GBR
2nd	Maudez de Cozannet	FRA
3rd	Lucien Bouche	FRA
4th	Horst Kimm	GER
5th	Michael Tuson	QAT

#### Grand Masters

1st	Alan Clark	AUS
2nd	Cecil Walker	GBR
3rd	Pierro Marchetti	ITA
4th	Vittorio Baldoni	ITA
5th	John Nouwen	NED

### 1980 Bendor, FRA

Entries 67 Countries 15

#### Apprentices

1st	Svend Carlsen	DEN
2nd	Werner Winter	GER
3rd	Jacky Nebrel	FRA

#### Masters

1st	Nick Paine	GBR
2nd	Alf Johnson	RSA
3rd	Peter Fordham	GBR

#### Grand Masters

1st	Sam Small	USA
2nd	Cecil Walker	GBR
3rd	Vittorio Baldoni	ITA



# International Laser Class Association



## **Register your Laser with your National Laser Association and keep up-to-date with News, Events and class rules updates...**

By registering you will be immediately informed of any Laser events that are taking place in your district as well as updates on any information relevant to you.

You can register by completing this form and sending to your nearest District Contact. Details of your District Contact can be found on pages 13-16 of this ILCA Handbook or at [www.laserinternational.org](http://www.laserinternational.org).

Name .....

Address .....

.....

.....

Date of Birth. .... Male ☐ Female ☐

Zip Code / Postcode .....

Country .....

Email .....

Tel Number: Home. ....

Work .....

Laser Rig (tick box) Standard ☐ Radial ☐ Laser 4.7 ☐

Laser Sail Number. ....

Dealer where Laser was purchased .....





**Laser 4.7**



**Laser Radial**



**Laser Standard**