

# Melges 24 Permanent Bow Numbering System

Prepared by Krak Arntson with Duncan Stamper, for IM24CA AGM 2017, Draft #5

A new rule proposal has been initiated, for the use of a permanent bow numbering system. The system proposed has been tested in championship regattas in North America with much success and approval of both sailors and race management. The system presents several advantages to the class, boat owners, regatta management and the environment, listed as follows:

- The bow number is to be the same as the sail number, and hull ID number. This eliminates confusion on the race course, increases identification for the RC and Media, and increases safety of boats crossing.
- The number style, size, material and coloration is fixed, and is to be the same for every regatta. As such, this eliminates cost and expense for regatta management to provide temporary event bow numbers. It also eliminates expense for teams, and the pre-race burden of temporary bow number installation.
- Temporary numbers are often compromised in material quality for economic purposes and may not adhere properly or last through the entirety of a regatta.
- Temporary numbers, are often installed under time pressured circumstances, without due precision and care in placement or effective adherence. Temporary numbers can therefore look poorly due to inaccurate installation, or may fall off, or loosen partly off, compromising the professional demeanor of the boat and regatta.
- With permanent numbers, installation can be planned and executed far in advance with appropriate time for accurate placement and installation.
- Temporary numbers that fall into the water are contrary to the sailing rules of littering, and, it is not an ecological ethical practice.
- The new permanent numbers as submitted and tested, present a strong aesthetic for the class. They provide an attractive distinction that builds class equity and recognition.
- Permanent numbers are being adopted by more and more fleets in racing, due to the many advantages that they present.

The following parameters I have prepared and entered into suitable language for the class rules. The parameters are based upon the existing system that has been tested and used this past season in North America both in Canada and the United States, with the addition of specifying the highest quality material to insure uniformity and durability. The parameters stated are to provide consistency, uniformity of usage, and support a Melges 24 identity.

## **H.4 BOW NUMBERS:**

### **H.4.1 RACING STANDARDS:**

- a) When Bow Numbers are required for Melges 24 one design race events, the bow numbers shall conform to the class standards, as stated in H.4.1 through H.4.8.
- b) Bow Numbers shall correspond to the number on the International Class Building Fee Plaque. Boats with sail numbers prior to 350 shall carry the number as issued by Melges Performance Boatworks.

### **H.4.2 FONT:**

- a) Shentox Bold is the font that shall be used.
- b) Slant/Rake/Angle of font: 10 Degrees. The top of the Numbers shall angle back, away from the bow.
- c) There shall be separate starboard and port numbers, as the slant/rake/angle starts from a different end, for each hull side.

- d) Kerning or spacing between numbers: To preserve uniformity, the graphic art creation of numbers with spaces kerned, shall be performed by a class approved graphic technician.

#### H.4.3 NUMBER DIMENSIONS:

- a) Numbers shall be 3 digits. In the event of a boat hull number being 1 or 2 digits, a 0 or 00 will be added in front, such as; 009, for hull #9, or 011 for hull #11.
- b) Height: **32.0cm / 12.5", +/- 1.0cm**
- c) Length: **72.5cm / 28.5", +/- 2.5cm**
- d) Thickness of the body of the number is controlled by the font, Shentox Bold.

#### H.4.4 NUMBER COLOR:

- a) On a white Hull, Number color shall be RED. On a red hull, Number color shall be WHITE. On other colors of hulls, number shall be RED, unless it is an insufficient contrast to provide immediate identity, in which case it shall be WHITE.
- b) Color shade shall be as specified in H.4.8 (Material).

#### H.4.5 SEPARATOR LINE:

- a) The use of the Separator Line is discretionary. However, if used, it shall be used in conjunction with the Melges24 Inscription Banner, (H.4.6) and, shall comply with the points following.
- b) Line Height/thickness; **5.0mm / 0.18", +/- 1.0mm**
- c) Line Length shall visually match the length of the Numbers, or: **72.5cm / 28.5" +/- 2.5cm**
- d) Space distance between top edge of Separator Line, and bottom edge of Numbers: **3.0cm / 1.2", +/- 0.5cm**
- e) Color shall be matching to the numbers.
- f) Color shade shall be as specified in H.4.8 (Material).

#### H.4.6 MELGES 24 INSCRIPTION BANNER:

- a) The use of the Melges24 Inscription Banner is discretionary. However, if used, its content shall be used in conjunction with the Separator Line (H.4.5), and, shall comply with the points following.
- b) Use of an approved Melges24 Wordmark shall be contained in the Banner, when the Banner is used.
- c) Spacing between the bottom edge of the Separator Line, and the top-most edge of the inscription, shall be the same distance as between the separator line and the Bow Numbers, at: **3.0cm / 1.2", +/- 0.5cm**
- d) Height of the letters and numbers in the Banner shall be 4.5cm / 1.75" +/- 0.5cm.
- e) The length of the banner inscription is discretionary, however, placement shall not be forward of the vertical extended plane of the furthest edge of the Numbers, and,
- f) Colors shall be matching to the Bow Numbers in either Red, or White.
- g) A trim color may be used, the trim color shall be in either; Red, White, or Black.
- h) Color shades shall be as specified in H.4.8 (Material).
- i) Overall Height of Numbers with Separator Line and Melges24 Banner inscription; **42.0cm / 16.5", +/- 1.5cm**

#### H.4.7 NUMBER PLACEMENT:

- a) Numbers shall be placed in the bow area of the hull, on both port and starboard sides.
- b) The top edges of the Numbers shall be placed parallel to the deck surface.
- c) Distance below the sheer of the deck surface; The top edges of the Numbers, shall be below the deck surface at a distance of; **16.5cm / 6.5", +/- 1.0cm**

- d) Distance aft of bow: The most forward edge of the numbers, shall be placed at a vertical line, drawn perpendicular to the deck surface at a distance of **20cm / 8.0"**, +/- **1.5cm** aft of the stem.
- e) Sponsor or event stickers shall be placed below the deck surface at a minimum distance of **16.5cm / 6.5"**, and, **20cm / 8.0"** aft of the furthest aft edge, of the Numbers and/or Melges24 Inscription Banner.

#### H.4.8 MATERIAL:

- a) Material shall be of a high quality, exterior grade graphic vinyl, of pressure sensitive adherence, similar, or equal to; 3M 180C Controltac Graphic Film or 3M IJ35 Scotchcal Graphic Film.
- b) Material shall have a life span rating that is 5 years or greater.
- c) Red material shall be; a solid color matching to 3M 180C in #53 Cardinal Red, or Pantone PMS 186 Red.
- d) White material shall be; a solid color matching to 3M 180C in #10 White, or a solid white color with no tint or hue.
- e) Black material shall be; a solid color matching to 3M 180C in #12 Black, or a solid pure black color with no tint or hue.
- f) The material shall be of a quality that can be removed without damage or undue effort or maintenance to the hull.

Respectfully submitted for review, Krak Arntson October 31, 2017

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