

## Mainsail formula Changes effective 2018:

Currently in the Handicappers Manual: Part II

### 6.4. MAINSAIL

**6.4.1.** SP is based upon manufacturer's standard P and E dimensions. If no such standard exists, the Handicappers Council will make a determination.

**6.4.2.** Mainsail measurements are required for all new (to a certificate) mainsails.

Note: For 2017, the MGT (7/8th) will be also be required on all "New to a Certificate" mainsails.

#### MAIN AREA Standard (MAstd):

$HWstd = 0.04 * E$  or 0.5' (whichever is greater)

$MGUstd = 0.38 * E$

$MGMstd = 0.65 * E$

$MAstd = (P/8) * (2 * E + 3 * MGMstd + 2 * MGUstd + HWstd)$

#### MAIN AREA Measured (MAmsd) :

$MAmsd = (P/8) * (2 * E + 3 * MGM + 2 * MGU + HW)$

We are collecting "MGT" (7/8<sup>th</sup> girth) measurement data for a modified mainsail area formula starting in 2018.

Handicappers Manual to be re-written as: Part II

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Note: For 2017, the MGT (7/8th) will be also be required on all "New to a Certificate" mainsails.

#### MAIN AREA Standard (MAstd):

$HWstd = 0.04 * E$  or 0.5' (whichever is greater)

**MGT = 0.22 \* E**

$MGUstd = 0.38 * E$

$MGMstd = 0.65 * E$

$MAstd = (P/8) * (2 * E + 3 * MGMstd + 1.5 * MGUstd + \underline{MGTstd + 0.5 * HWstd})$

#### MAIN AREA Measured (MAmsd) :

$MAmsd = (P/8) * (2 * E + 3 * MGM + 1.5 * MGU + \underline{MGT + 0.5 * HW})$

The ratio will provide the percent sail area for adjustment of the ASP.

The MGT (7/8<sup>th</sup> girth) measurement technique will be included in the spring training course, but new sails should come with the sailmakers certificate. Handicappers should make the owners aware of this change.

**Headwidth (HW) (previously known as Headboard (HB))** is defined distance from the Head Point to the Aft Head Point of the mainsail.

**MGM (Main Girth Middle):** Shall be the length of the girth of the mainsail taken at the half-leech point of the leech from the clew. Ref: appendix ERS – Half Leech Point

**MGU (Main Girth Upper):** Shall be the length of the girth of the mainsail taken at the Three-quarter point of the leech from the clew. Ref: appendix ERS – Three-Quarter Leech Point

**MGT (Main Girth Top):** Shall be the length of the girth of the mainsail taken at the **seven-eighth Point.**