

# blokart® Mast Talk

## Mast Descriptions

Masts have always been numbered from the top, and when the blokart was originally only available with a 3 sail the descriptions are simple- 1<sup>st</sup> being the tip, 2<sup>nd</sup> (next section down), 3<sup>rd</sup> (next section down) and butt (the bottom section).

When the 4m sail was introduced it required another 3<sup>rd</sup> section, like wise when the 5.5m sail was introduced it required yet another 3<sup>rd</sup> section

5.5m sail    Butt / 3<sup>rd</sup> / 3<sup>rd</sup> / 3<sup>rd</sup> / 2<sup>nd</sup> / 1<sup>st</sup>  
4m sail     Butt / 3<sup>rd</sup> / 3<sup>rd</sup> / 2<sup>nd</sup> / 1<sup>st</sup>  
3m sail     Butt / 3<sup>rd</sup> / 2<sup>nd</sup> / 1<sup>st</sup>  
2m sail     Butt / 2<sup>nd</sup> / 1<sup>st</sup>

## Ultra Carbon

900 grams of stiff carbon wrapped around a resilient fiberglass core.  
Available as a set of two (Ultra Carbon Kit- Butt and 3<sup>rd</sup>) or individually.

## Carbon

600 grams of stiff carbon wrapped around a flexible fiberglass core.

1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> Carbon mast sections are available individually.

*Note:* We have discontinued the Carbon Bottom section, with most of the mast bend at the base everyone wanting to up-grade from Fiberglass opts for the stiffer Ultra Carbon Butt.

Likewise we have discontinued the CRB (Carbon Race Base) 2-piece kit.

*Note:* Carbon mast sections are now identified with large transfers (see the current blokart catalogue for details).

## Common Mast selections

The most common sail globally is the 4m and the standard mast on a 4m sail is five fiberglass sections. To improve performance customers can choose to add an Ultra Carbon kit, which will stiffen the base of the mast (where most of the bend is happening) rather than the more flexible fiberglass Butt and 3<sup>rd</sup>.

Due to the large sail area of the 5.5m sail blokart recommends the use of an Ultra Carbon kit and a Carbon 3<sup>rd</sup>. The Carbon 3<sup>rd</sup> slows the rate of the curve of the mast rather than having stiff Ultra Carbon section meeting a flexible fiberglass section midway up the sail. A complete fiberglass sail will work fine in light wind but in the mid to upper range the flexible sail will spill air and loose performance.

5.5m    Ultra / Ultra / Ultra / Ultra / Ultra / Carbon  
          Ultra / Ultra / Carbon / Carbon / Carbon / Carbon  
          Ultra / Ultra / Carbon / Glass / Glass / Glass

4m     Ultra / Ultra / Ultra / Ultra / Carbon  
          Ultra / Ultra / Carbon / Glass / Glass  
          Ultra / Ultra / Glass / Glass / Glass  
          Glass / Glass / Glass / Glass / Glass

Very stiff but unforgiving in gusty conditions

Stiff with a nice rate of curve. High performance in gusty conditions

Stiff down low with the ability to spill air quickly. Controllable in high gusty wind

Great in light wind. Very controllable and forgiving in strong gusty wind

3m     Ultra / Ultra / Ultra / Carbon  
          Ultra / Ultra / Carbon / Glass  
          Ultra / Ultra / Glass / Glass  
          Glass / Glass / Glass / Glass

The ultimate combination for performance comes down to setup, sailing conditions and sailing style to some degree. No one setup guarantees better performance than another.



## Mast Plugs

Plugs are glued into Mast Butt's at the factory however continual flexing of the mast puts a lot of pressure on the plug and the glue can let go allowing the plug to fall out.

Glue the plug in immediately with an elastic adhesive/sealant.

*Important:* never use a mast butt without a plug secured in the bottom.

## Mast Crane

For improved performance- The use of a blokart Mast Crane allows you to do away with the 1<sup>st</sup> (top) section and add another stiffer 3<sup>rd</sup> section and use your 2<sup>nd</sup> section on top...with the Mast Crane inserted with the sleeve provided.

The Mast Crane improves the pivoting of the sail, especially good in light air, and enables increased sail downhaul without affecting pivoting resistance.



## Mast Bag Mast

Protect your valuable mast sections by transporting and storing them in a blokart Mast Bag. Scratches and chips alter the strength of carbon sections.



## Sleeve Protectors

Mast protectors minimize the damage to mast sleeve pockets and mast sections if/when the kart is capsized. A must when loaning your blokart to a novice!



**blokart**<sup>®</sup>