

ONE M^AST WIN!

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www.patafinn.hu

1st & 2nd on the ISAF Finn World Rankings

by Björn Allansson and Ivan Kljaković Gašpić



Worth to know...

THE HIGH TECH PATA MC CARBON MAST

MC = Modulus Combination.

The new type Pata Carbon Mast is built according to a special and carefully developed layer plan with the combination of high modulus and high elongation carbon fibers in order to reach special features. The clever combination of the different elongation of the fibres results a unique depowering effect on the waves and in the breeze while the pointing ability of the mast is saved.



TECHNICAL DETAILS:

- Full High Tech Prepreg Carbon construction
- 30 / 70% of resin per fibre content
- Special combination Heat resistant metal moulding
- Cured in 100 C° on 6 bar with pressure bag
- Delrin mast bearings

ALL PATA MASTS ARE DELIVERED:

- On minimum weight and minimum COG.
- Painted in white or varnished for the natural Carbon look
- Internal halyard and halyard lock
- Race ready fully fitted with ropes and fittings
- Padded cover
- Shipped with Hawk top wind indicator





PATA MC Carbon Masts are offered in five versions:

- Standard mast bends for sailor weight:
- ● 85 kg, 95 kg, 105 kg,
- Custom made
- Speed Package

1-2-3. Standard Mast bending characteristics:

	Fore/aft 12 kg				Sideways			
	1/4	1/2	3/4	Tip	1/4	1/2	3/4	Tip
Standard 85 kg	91	121	91	520-525	79	122	116	380-385
Standard 95 kg	89	119	89	510-515	76	118	111	370-375
Standard 105 kg	86	116	86	505-510	74	115	106	360-365

- 4. Custom Made Mast:** Bending characteristics proposed by the Pata experts adapted to the sailors weight and style or according to the customer's wish fitted to a special leech tension.
- 5. Speed Package - Mast and Sail together:** A Custom Made Pata MC Mast and a Finn Sail from any leader sailmaker of the Finn market perfectly fitted to the Mast. This way you surely get the right combination of mastbend to your weight and adjusted sail luff curve to the mast.





GREAT RESULTS IN 2014 BY SAILORS USING PATA MC CARBON MAST

The actual leaders (November 2014) of the ISAF Finn World Ranking list
Björn Allansson – SWE 6

and

Ivan Kljaković Gašpić – CRO 524

Gaspic was the Silver medalist on the
ISAF World Championship in Santander
and winner of the Medal Race.

Michael Maier – CZE 1

Winner of the Masters World
Championship (six times winner)

André Budzien – GER 711

Silver Medalist of the Masters World
Championship (three times winner)





HOW TO MEASURE YOUR FINN MAST BEND



In order to find the best suited mast to your weight and boathandling style you have to find and know the right mast bending datas. These are the datas also the sailmaker can use to produce the right sail to you. If you want to be fast on the race course, all your sails must be tailored to your individual mast.

Follow the steps below to measure your mast bend!

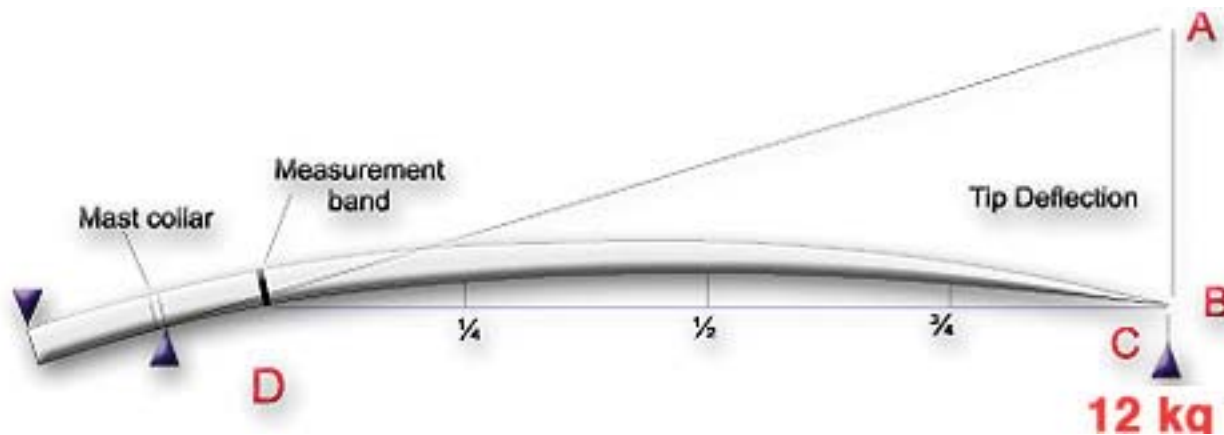
When measuring a Pata Mast please take care on some important terms in order to avoid any mistake that may cause an error. Missing any of the important small details written in this manual may cause the false result of your measurement!

So please read carefully and follow the right steps of the procedure!

Our Finn Mast bend measurement follows the standard method used by most of the sailmakers.



BASIC MEASUREMENT INSTRUCTIONS



Step 1

Support the mast with the tip at a height which will allow the tip of the mast not to hit the ground when the weight is placed on it.



Fix in place at the butt to allow it to rest on the collar as it holds by the mast step and deck of the boat. Mark the point A.

Please note it is very important to hold fast the mast foot (the butt-end) without any movement. If the end can move even the slightest measure the datas will be wrong!



Step 2

Place the weight (12 kg sideways / fore & aft) on the tip of the mast at the measurement band.

Mark the point B for sideways and fore & aft.



Step 3

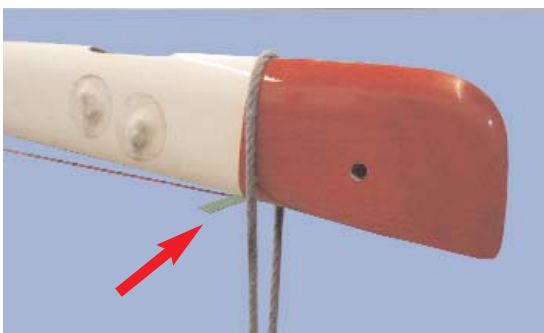
Take a taught string from the top of the bottom measurement band (D) to the bottom of the top one (C).

Step 4

Measuring correctly the aft bending on a Pata Mast fix a spacer between the string and the mast at 860 mm from the mast foot.

The spacer's height is 20 mm.

The spacer is necessary to keep the rope at the sail track level. Always measure the outside of the sail track! If you measure inside the sail track the height of the spacer should change to 7 mm!!!



Step 5

It is also very important not to let the measurement string inside the sailtrack at the top! In order to avoid this use some small plastic piece to hold it on the surface!



Step 6

Measure the distance in millimeters between the string and the mast (sideways and aft) in every 1/4 of the distance C-D (between the top of the lower measurement band (D) to the bottom of the top one).

If you have any further questions please contact us. Call or write to info@patafinn.hu





**There
are the Finn sailors
and the still not Finn sailors...
and the rest of the people
who may seem to be lightweight...**



**But the right carbon mast may even
help them...**



**DON'T HESITATE TO CALL!
ENJOY FINN SAILING!**

CONTACT

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