

# AL 360

WINDSURF  
AND TOOLS

CATALOGUE  
2018

[www.al360.it](http://www.al360.it)

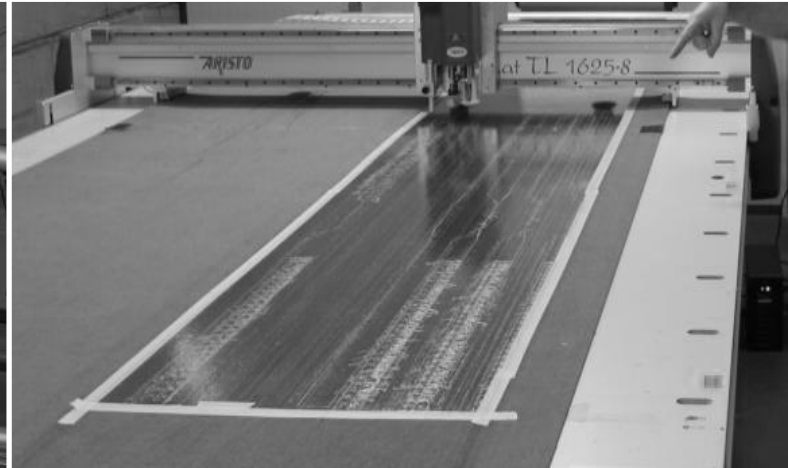
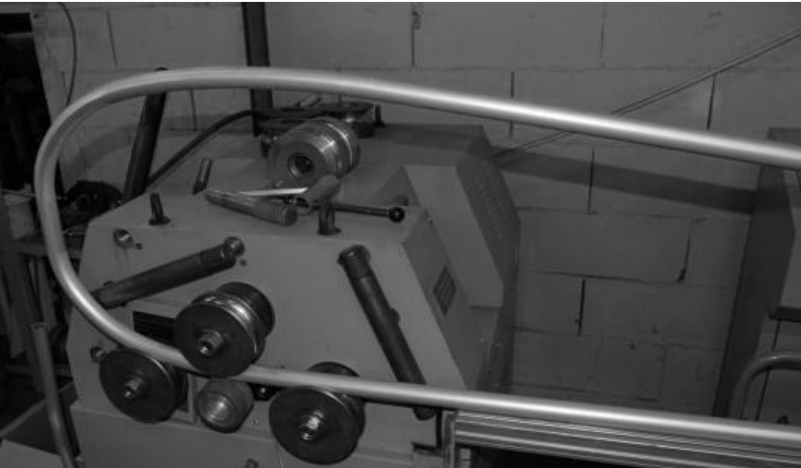
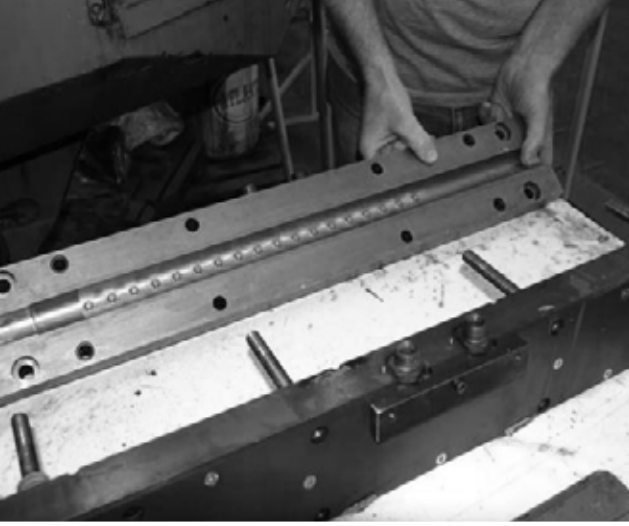
**AL360**  
WINDSURFING TOOLS





# INDEX

- AL 360
- TEAM.....4-5
- PRODUCTS.....8
  - BOOMS
    - + Alu, Ergal, Carbon
    - + Alu-mono
    - + Ergal-mono
    - + E3 Carbon
    - + E3 Carbon slalom
    - + E3 Carbon slim
    - + E3 Carbon race
    - + RTE
  - MASTS.....18-19
  - EXTENSIONS.....20
    - + RDM alu
    - + RDM ergal
    - + SDM ergal
    - + RDM carbon
    - + RDM wood
  - MAST BASE BASE EURO PIN.....27



# AL 360

2018

## WHY choose AL360 ?

We don't want to sell a short-lived products, our principal aim is to make windsurfing equipment that will last for many and many years and remains perfect, with a Made in Italy guarantee.

## MADE IN ITALY

AL360 is a factory that, differently than others competitors, designs and manufactures all his products in Italy.

For each ones of our products we are always looking for new ideas to develop in a better way the functionality and quality of the products that we sell around the world. Working in this way make possible to our factory to guarantee a high standard of quality and safety on all the products.

For us the main factor is not just to develop or testing our products, but we always take at the first place the Made in Italy quality above everything, as guarantee of quality all around the world.

**THE HIGH  
RELIABILITY AND  
QUALITY OF THE  
MADE IN ITALY**

CATERINA STENTA





ITA-312  
**EUGENIO MARCONI**  
Team freestyle



I-00  
**MATTIA PEDRANI**  
campione italiano  
Freestyle2008  
Team freestyle



I-420  
**STEFANO LORIOLI**  
Team freestyle



I-157  
**RAIMONDO GASPERINI**  
Team freestyle/wave



I-720  
**FABIO CALÒ**  
Team freestyle



I-66  
**MATTEO SPANU**  
Team freestyle



I-261  
**JACOPO TESTA**  
Team freestyle



I-115  
**ANNAMARIA ZOLLET**  
Team wave



B-09  
**ROBERTO DA COSTA**  
Team freestyle



E-181  
**DANY BRUCH**  
Team wave



I-999  
**FEDERICO INFANTINO**  
1° Fuerte Wave  
CLASSIC 2012  
Team wave



TF7  
**VALTER SCOTTO**  
Team wave



PL- 1111  
**JUSTYNA SNIADY**  
Team wave



I-8  
**ANDREA FRANCHINI**  
Team wave



ITA-314  
**SABINE ZOLA**  
\_DAMA NEGRA\_  
Team wave



S-10  
**ANDERS BRINGDAL**  
Team slalom- race



I- 662  
**CATERINA STENTA**  
Team wave



223  
**ANDREA BALDINI**  
Team slalom- race



**GIORGIO GIORGI**  
Team slalom- race



I-117  
**FRANCESCO ORSI**  
Team slalom- race



I-1111  
**ANDREA FERIN**  
Team slalom- race



TUR-33  
**LENA ELDIR**  
Team slalom- race



GBR-47  
**ZARA DAVIS**  
Team slalom- race



I-38  
**GRETA BENVENUTI**  
Team slalom- race





ANDREA FRANCHINI



FEDERICO INFANTINO



LENA ELDIR



**AL 360**



SABINE ZOLA

BOOMS MADE AND  
BUILT ENTIRELY IN  
ITALY

## alu mono booms

The alu-mono booms are made with a 6082 Aluminum Alloy, that's an alu alloy of silicon-magnesium manganese used for a general production, this kind of alloy has a very good strength and corrosion resistance too.

Specifications:

Rm 290  
Rp0.2 250  
Hardness Hb 85 - 90  
Elongation 8%

## ergal mono booms

The ergal-mono booms are made by a 7075 Aluminium Alloy and Zinc, the main use is in the aeronautical and aerospace sector, particularly used for made structural parts.


Specifications:

Rm 560  
Rp0.2 495  
Hardness Hb 145  
Elongation 7%

## carbon booms

For what concerns the carbon booms process, we can't give the full information of the manufacturing process or the details of the materials used for, that information are confidential and are the main factors of our high quality manufacturing work; this knowledge about the materials and concepts-work represents years of mechanical research and trials. All of our carbon-booms are made by 100% carbon, unlike other brands that use a combination of materials not just carbon but a mix with glass fibers. Our products are made by high-strength unidirectional fibers "prepeg", and the unidirectional fibers process allow a greater freedom in the gradations used in the various layers.

AL360'S BOOMS ARE THE RESULTS OF YEARS OF WORK AND PROJECTS, AND TESTING IN THE MOST EXTREME AND WINDIER SPOT AROUND THE WORLD. THANKS TO OUR RIDER AND THEIR FEEDBACK, WE ARE GREW UP AND MAKE PROGRESS IN OUR WORK.



BOOM THAT ENSURES HIGH RIGIDITY AND STABILITY ON THE MAST, LEAVING THE FRONT END FREE TO WORK!

# ALU-MONO



ALU-MONO is a reasonable price boom for amateur windsurfers who aspire to have a high-level product for a good price.

The boom is built in 6082 alloy, completely anodized to avoid salty water oxidation, provided with tubes of 29mm diameter. The key feature of this boom is that tubes and the extension are made of a one-piece mono-coque part. E3 Alu-Mono features the same curves of the high-level E3 carbon booms, the tubes are lined in soft grip dual density for best grip while sailing; moreover the graphics come with a vast range of colours allowing many customization options.

Back-end and front-end are made of 20% of elastomer nylon, all the nylon parts are the same for every model in our range, from the Alu to the E3 Carbon including slalom and race booms: this ensures great reliability and resistance for all the parts, even in the most affordable models.

MODEL	SIZE	DIAMETER
Mono alu 140	140-190	29
Mono alu 150	150-200	29
Mono alu 160	160-210	29
Mono alu 170	170-220	29

# ERGAL MONO

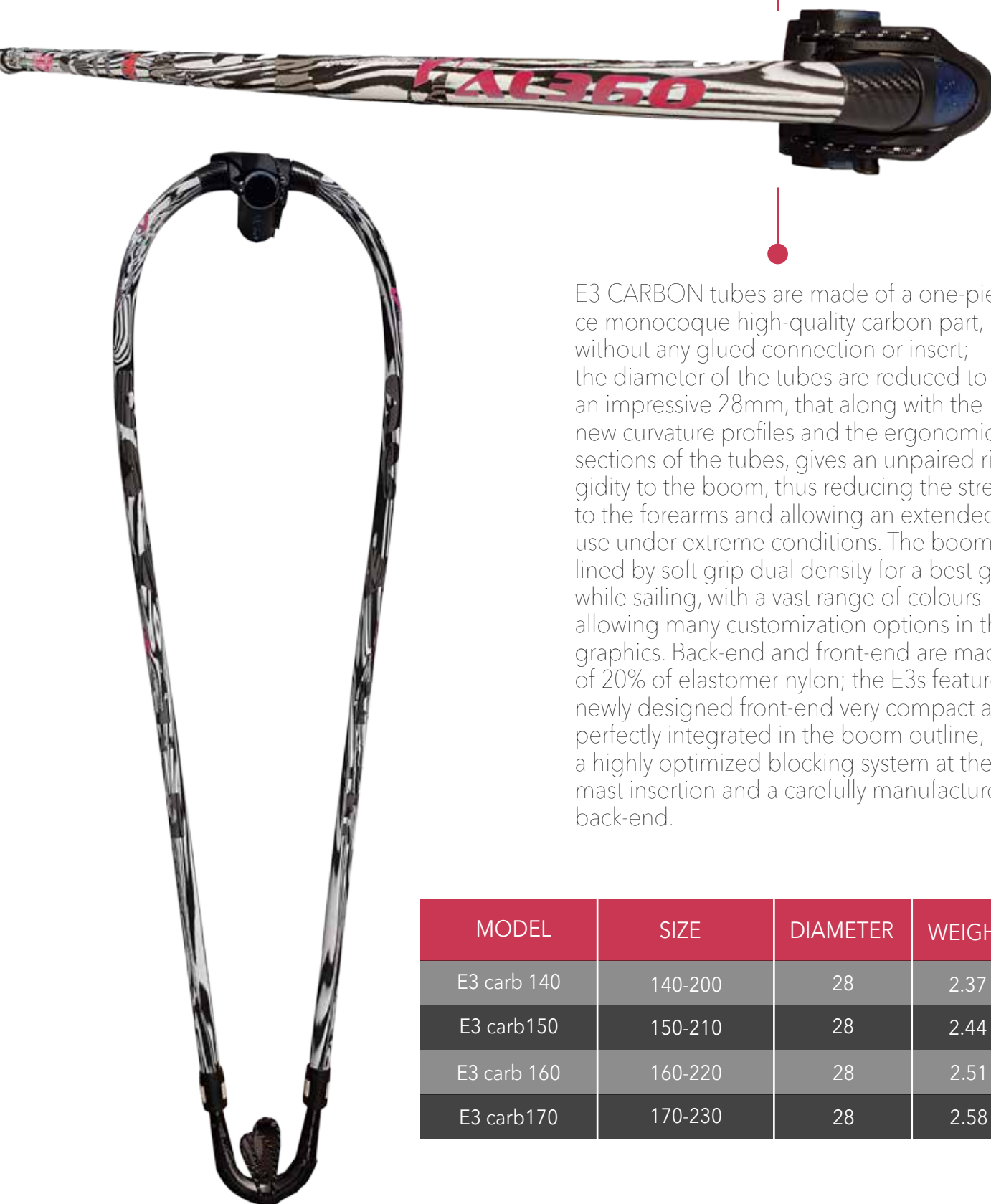


ERGAL MONO is a boom built in 7075 alloy is a monocoque construction with an ergonomics curves. The construction in one piece for the ergal boom is a goal to reach for all the brands in the world of windsurfing, but only AL360 reach this kind of goal, thanks to its experience gained in 35 years in the industry of precision engineering and thanks to investments in new technologies for the tube deformation, not so easy work with material such as ergal. The advantages offered by the new ergal-mono monolithics booms, as you can see are the harmony of curves that reproduce the fantastic carbon models, the diameter of the tube constant throughout the development of the boom, from the front-end to the back-end, without annoying bulges in handle area, thus making it more fluid passage of the hands in the change of the maneuvers, the absence of tubes inserted between the handle and boom avoid that over time creating some movements, and infiltration which lead to corrosion the boom. The monolithic construction offers increased rigidity of the boom, the use of small diameter tube gives exceptional comfort.



MODEL	SIZE	DIAMETER
Mono erg 140	140-190	28
Mono erg 150	150-200	28
Mono erg 160	160-210	29
Mono erg 170	170-220	29
Mono erg 180	180-230	29
Mono erg 190	190-240	29

# E3 CARBON



E3 CARBON tubes are made of a one-piece monocoque high-quality carbon part, without any glued connection or insert; the diameter of the tubes are reduced to an impressive 28mm, that along with the new curvature profiles and the ergonomic sections of the tubes, gives an unpaired rigidity to the boom, thus reducing the stress to the forearms and allowing an extended use under extreme conditions. The boom is lined by soft grip dual density for a best grip while sailing, with a vast range of colours allowing many customization options in the graphics. Back-end and front-end are made of 20% of elastomer nylon; the E3s feature a newly designed front-end very compact and perfectly integrated in the boom outline, a highly optimized blocking system at the mast insertion and a carefully manufactured back-end.

MODEL	SIZE	DIAMETER	WEIGHT
E3 carb 140	140-200	28	2.37
E3 carb150	150-210	28	2.44
E3 carb 160	160-220	28	2.51
E3 carb170	170-230	28	2.58

# E3 CARBON SLALOM



○○○○○



○○○○○



○○○○○



●●●●●



E3 Carbon SLALOM tubes are made of a one-piece monocoque high-quality carbon part, without any glued connection or insert. The diameter of the tubes - reduced to an impressive 29mm - along with the new curvature profiles and the ergotrigonometric sections of the tubes, gives an unpaired rigidity to the boom, thus reducing the stress to the forearms and allowing for an extended use under extreme conditions. Lined in soft grip dual density for a best grip while sailing, with a vast range of colours allowing many customization options in the graphics. Back-end and front-end are made of 20% of elastomer nylon.

The E3s feature a newly designed front-end very compact and perfectly integrated in the boom outline, a highly optimized blocking system at the mast insertion and a carefully manufactured back-end, whose design allows perfect sail tuning capabilities for both slalom competitors and speed-amateur ones.

MODEL	SIZE	DIAMETER	WEIGHT
E3 slalom180	180-230	29	3.12
E3 slalom 190	190-245	29	3.18
E3 slalom 200	200-260	29	3.38
E3 slalom 210	210-270	29	3.45



# E3 CARBON SLIM

la nuova generazione dei boma



o o o o o



• • • • •



• • • • •



o o o o o



The carbon SLIM boom is a monocoque 100% full carbon unique piece, and this kind of boom is the beginning of a new generation of high performance and quality boom. The boom is manufactured completely of carbon fiber unidirectional HM (high modulus), thanks to which it was possible to reduce the diameter of the tubes of the boom to 25mm, retaining the rigidity and strength very high, combined with ergonomic curve and section oval tubes characteristic of the AL360's carbon booms, that makes it even more comfortable handles, even for who have small hands, as young guys or girls. Covered in soft dual density grip for better grip, plastic back-end and front-end are made of nylon with 20% elastomer, with a compact swing front-end very well integrated into the booms with high stability and rigidity on the mast.

MODEL	SIZE	DIAMETER	WEIGHT
E3 slim140	140-190	25	2.1
E3 slim150	150-200	25	2.19





TESTED AND APPROVED BY  
12 TIMES WORLD CHAMPION  
BJORN DUNKERBECK.

# E3 CARBON RACE



E3 Carbon RACE tubes are made of a one-piece monocoque high-quality carbon part, without any glued connection or insert. The diameter of the tubes - reduced to 29.5mm - along with the new curvature profiles and the ergotrigonometric sections of the tubes, gives an unpaired rigidity to the boom, thus reducing the stress to the forearms and allowing for an extended use under extreme conditions. Lined in soft grip dual density per a best grip, with a vast range of colours allowing many customization options in the graphics. Back-end and front-end are made of 20% of elastomer nylon. The E3s feature a newly designed front-end very compact and perfectly integrated in the boom outline, a highly optimized blocking system at the mast insertion and a carefully manufactured back-end terminal, whose design allows for perfect sail tuning capabilities for highly demanding formula sailors. Carefully designed to match the latest evolutions in slalom sails design.

Such evolution required a new concept boom designed with new curvatures conceived to keep the sail profile locked in even in the most extreme conditions, to yield the best results out of the sail's concept in a wide range of conditions and to boost the overall performance of the rig.

The back-end is of two different kind, one is the standard slalom back end the other one is the wide back-end size 200mm.

MODEL	SIZE	DIAMETER	WEIGHT
E3 Race 220	220-280	29	1.24
E3 Race 230	230-290	29	1.45
E3 Race 240	240-300	29	1.66
E3 Race 250	250-310	29	1.89





# racing team edition



ooooo



ooooo



ooooo



•••••



After years of testing and hard work is a pleasure for us to present our new creation RTE a pride product full Made in Italy from the AL 360 manufacture. A slalom boom creation, an unique innovative and lightweight boom, thanks to the 100 % carbon construction using the best fibers and resins on the world market; and with completely redesigned ergonomic curves, to provide maximum comfort without forgetting the importance of leaving the sail free to express his maximum power.

With the AL360's classical oval section and a diameters reduced to 28.5 cm; for a better grip of the hand as well as a considerable reduction of effort in load of the tendons in the forearms. New look of the graphic.

MODEL	SIZE	WEIGHT	CURVE	DIAM.	BACK END
RTE-SL-180 (Slalom)	180-230	2,7 Kg	49 cm	28,5 mm	standard
RTE-SL-190 (Slalom)	190-245	2,85 Kg	49 cm	28,5 mm	standard
RTE-SL-200 (Slalom-race)	200-260	3 Kg	49 cm	28,5 mm	standard

STANDARD



WIDE TAIL



### What change in the new RTE slalom boom, compared to E3 slalom standard?

- center of gravity moved back, to a better equipment balance;
- wider and long curve to allow the complete freedom of the sail;
- diameter 28.5 in the area of the hands (compared to E3 Slalom boom with a diameter 29.5);
- unique lightest, lighter than the standard E3 Slalom.

MODEL	DESCRIPTION	LENGTH	WIDTH
EX-WT-RTE	Rte boom + wide-tail	60 cm	20 cm
WT-RTE	wide-tail	60 cm	20 cm

ANDREA FERIN



# mas PRODUCTS

AL360 MASTS'S WORKING PROCESS IS SIMILAR AS THE BOOMS CONSTRUCTION PROCESS IN A 100% MADE IN ITALY QUALITY, MADE WITH THE BEST PRE-PEG FIBER IN THE GLOBAL MARKET.

THESE MASTS HAVE A CONSTANT CURVES, THAT IT BEEN STUDIED AND DESIGNED ON THE SAILS OF THE LATEST GENERATION. THE LINE OF MASTS IS IN TWO CARBON PERCENTAGE: 80% AND 100%.

TO MAKE IT EASIER TO IDENTIFY THE TARGET PERCENTAGE OF CARBON ON THE MASTS HAS BEEN USED A DIFFERENT COLOR FOR EACH PERCENTAGE:

-  Blue 80%
-  Orange 100%

- RDM 80%
- RDM 100%
- SDM 80%
- SDM 100%





MODEL	SIZE	IMCS	WEIGHT	CARBON
Rdm100-340	340	15	1.3	100%
Rdm100-370	370	16.5	1.3	100%
Rdm100-400	400	19	1.42	100%
Rdm100-430	430	21	1.65	100%
Rdm100-460	460	25	1.8	100%



MODEL	SIZE	IMCS	WEIGHT	CARBON
Rdm80-340	340	15	1.24	80%
Rdm80-370	370	16.5	1.45	80%
Rdm80-400	400	19	1.66	80%
Rdm80-430	430	21	1.89	80%
Rdm80-460	460	25	2.11	80%

most  
extension

# PRODUCTS

AFTER A LONG PROCESS OF DESIGNING WITH 3D SOFTWARE AND AN INFINITE NUMBERS OF TESTS TO GIVE BIRTH TO A EXTENSION OF GREAT DESIGN AND WITH BIG CONTENT OF TECHNOLOGICAL SOLUTIONS OF THE HIGHEST LEVEL AND QUALITY.

The Extensions Are Of Three Different Materials:  
**Alu, Ergal** and **Full Carbon 100%**.

In The Next Pages The Technical Details Of Each One.



Rdm  
alu



Rdm  
ergal



Sdm  
ergal

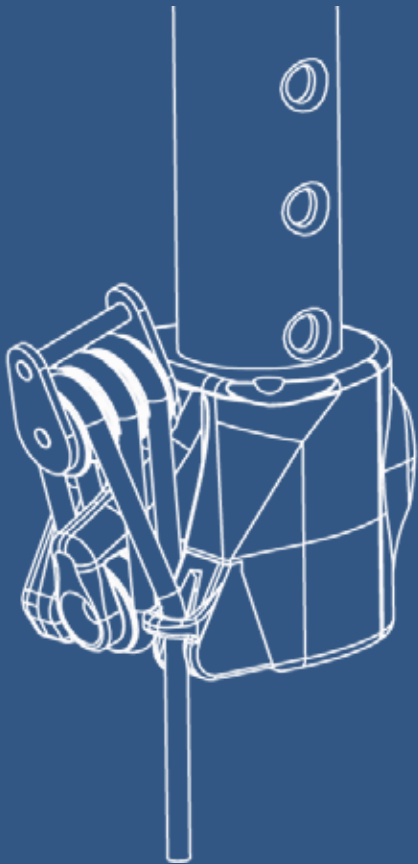


Rdm  
carbon



Rdm  
wood

QUALITY  
DESIGN  
TECHNOLOGY  
RELIABILITY  
RESISTANCE

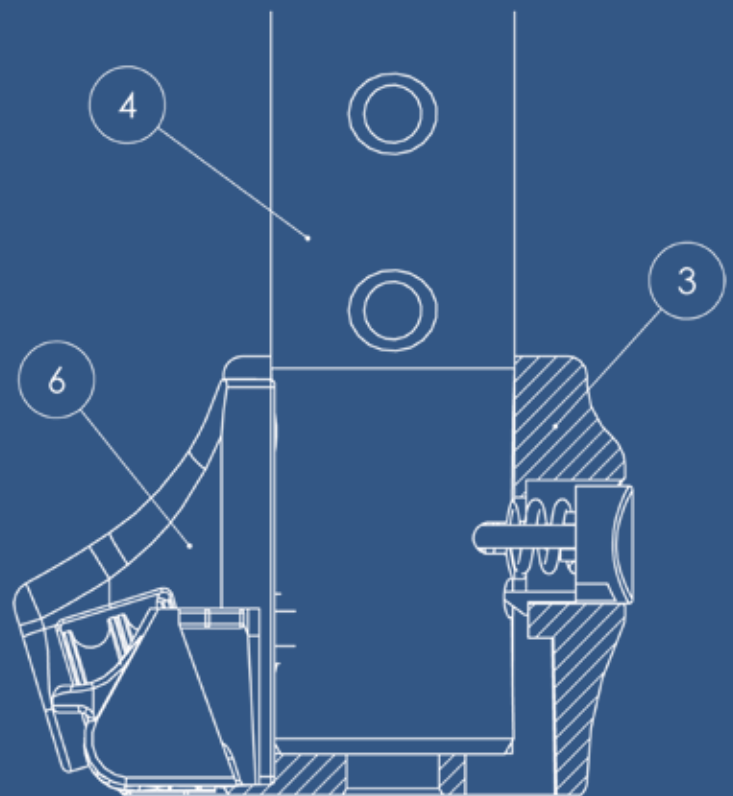


1 - The mast extension tube is made of a single piece (Detail. 4), reaches the bottom of the plastic part (Detail. 3).

2 - The attack of the pulleys and cleats are a unique fusion of stainless steel (Detail. 6)

3 - Cleats its inclined in line with the pulley to allow an optimal trim of the sail and avoid twisting the rope and greater resilience.

4 - The attack pulleys (Detail. 6) is screwed directly into the extension tube (Detail. 4)



# RDM ALU

mast extension  
rdm alu monocoque



Material used for the tube: Alloy 6082

## MECHANICAL CHARACTERISTICS

Tensile strength Rm (N / mm): 290

Yield strength Rp 0.2: 250

Elongation A5: 8

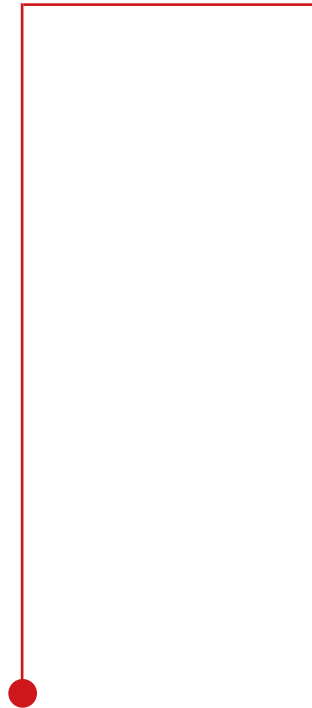
Hardness HBS: 95

CODE	MODEL	SIZE
E.A.0-15	rdm alu pin	0-15
E.A.0-25	rdm alu pin	0-25
E.A.0-35	rdm alu pin	0-35



# RDM ERGAL

mast extension  
rdm ergal monocoque



Material used for the tube: Alloy 7075

## MECHANICAL CHARACTERISTICS

Tensile strength  $R_m$  (N / mm): 540

Yield strength  $R_p 0.2$ : 485

Elongation A5: 6

Hardness HBS: 153

CODE	MODEL	SIZE
E.E.0-25	rdm ergal pin	0-25
E.E.0-35	rdm ergal pin	0-35
E.E.0-45	rdm ergal pin	0-45



# SDM ERGAL

mast extension  
rdm alu monocoque



Material used for the tube: Alloy 7075

## MECHANICAL CHARACTERISTICS

Tensile strength  $R_m$  (N / mm): 540

Yield strength  $R_p 0.2$ : 485

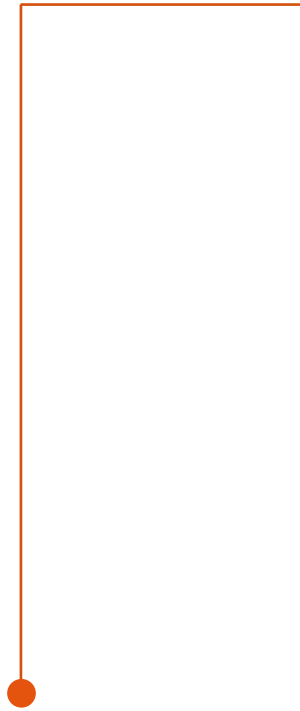
Elongation  $A_5$ : 6

Hardness HBS: 153

CODE	MODEL	SIZE
E.E.0-26	rdm ergal pin	0-26
E.E.0-42	rdm ergal pin	0-42

# RDM CARBON

mast extension rdm  
100% carbon monocoque



Material used for the tube:  
IM unidirectional PREPEG fiber 100% carbon

## MECHANICAL CHARACTERISTICS

Tensile strength (Mpa) 5500  
Modulus: 290-2950 GPa

CODE	MODEL	SIZE
E.C.0-25	rdm carbon pin	0-25
E.C.0-35	rdm carbon pin	0-35
E.E.0-45	rdm carbon pin	0-45



# RDM WOOD

mast extension

rdm alu monocoque - wood



Material used for the tube: Alloy 6082

## MECHANICAL CHARACTERISTICS

Tensile strength  $R_m$  (N / mm): 290

Yield strength  $R_p 0.2$ : 250

Elongation A5: 8

Hardness HBS: 95

CODE	MODEL	SIZE
E.W.0-25	rdm wood pin	0-25
E.W.0-35	rdm wood pin	0-35

# MAST BASE EURO PIN -AISI 316 -

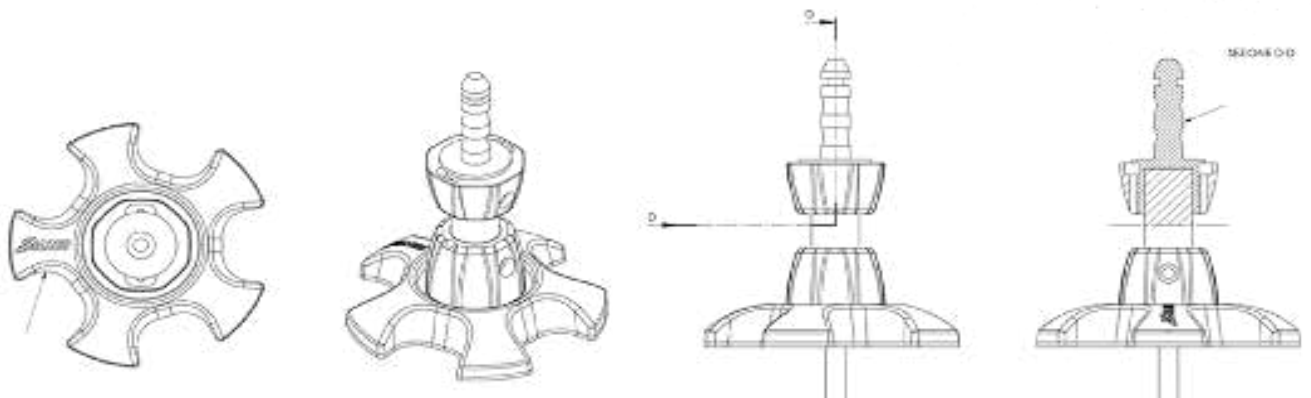


The AL360's base euro pin is a single piece of stainless steel AISI 316, during the working process there has creating some discharges spaces that facilitate the leaking of sand and dirt, in this way is more easy hook and unhook the extensions on the board.



The single piece of stainless steel is strong connected by a universal tendon, that is durable, hard and flexible at the same time. The base is working in order to make easier to locking and unlocking it on the board thanks to the 5 breeds.

The finish, carbon look give a touch more elegant and unique at the base and creates a rough surface that doesn't slip your fingers and hands during the locking and unlocking.



JUSTYNA SNIADY



JACOPO TESTA





MATTEO SPANU



ANNAMARIA ZOLLET

For any information we are completely at your disposal,  
so please feel free to contact us.

---

Mail: [info@al360.it](mailto:info@al360.it)  
Tel. 030/9823128

 [www.facebook.com/Al360WindsurfingTools](https://www.facebook.com/Al360WindsurfingTools)

 [al360\\_windsurf](https://www.instagram.com/al360_windsurf)

 [www.al360.it/windsurf](https://www.al360.it/windsurf)