Filippi

Filippi Lido S.r.l.

MISSION

- Filippi factory produces some of the most renowned boats in the sport of rowing.
- International rowing sport successes, a staggering amount of technology, top quality materials and continuos research is the company DNA.
- Building the fastest rowing shells on the market is its priority mission.

HISTORY

"Driven by Excellence"

The history of Filippi is the story of a family business that dates back to 1980 when Lido Filippi founded "Filippi Lido SRL." Filippi began by constructing wooden rowing boats. His warehouse of 200 square meters has since given way to a factory of 5,000 square meters and the original wooden boats have been replaced by the familiar and unmistakable "white boats."

"The second generation gets to work".

This growth was realised by Lido and more recently by his son David. David spent his formative years helping to construct Filippi boats and learning about every aspect of the factory. Attention to details and dedication to the search for precision has allowed Filippi to grow to a record production of 1,100 boats in 2013.

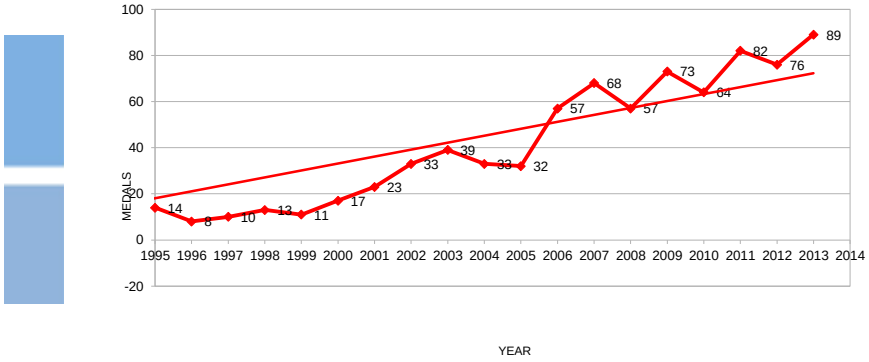
Over the past two decades, Filippi has collaborated with several academic institutions, commissioning studies on various aspects of fluid dynamics of boats, rowing boat simulators and the movement of athletes in boats.

These studies began in 1996 when Filippi commissioned a study of the hydronic models of rowing boats at INSEAN (National Institute for Naval Architecture).

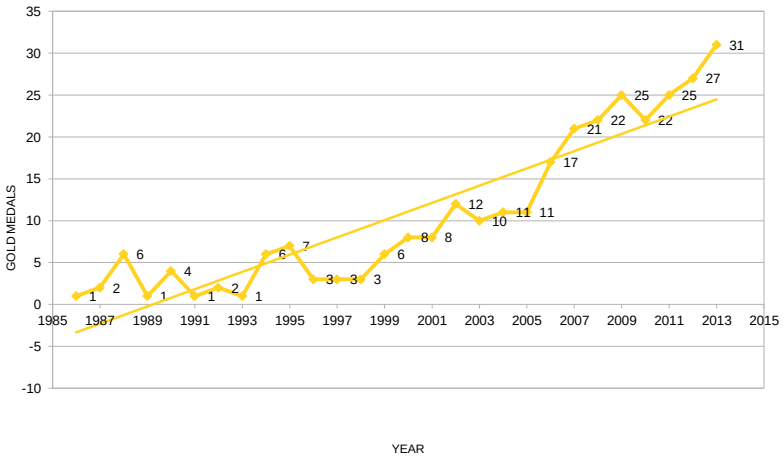
In 2003 Filippi worked with Politecnico di Milano, Department of Applied Mathematics (MOX) in the development of software to study the movement of athletes in Olympic rowing boats.

They also looked at the dynamics of the boat in the water and a system of capturing the motion of the athlete using static video in the boat.

TOTAL MEDALS



GOLD MEDALS



OLYMPIC MEDAL STATISTICS

	1988	1992	1996	2000	2004	2008	2012
GOLD	1		1	3	3	4	4
SILVER		2		3	4	4	7
BRONZE				1	5	3	6
TOTAL	**1**	**2**	**1**	**7**	**12**	**11**	**17**

CORE BUSINESS

Filippi main business is **development, production and distribution of rowing boats** and rowing parts.

- Filippi factory produces **all Olympic classes Racing shells** in the sport of rowing.
- Adaptive and Coastal Rowing boats.
- Training boats.

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WE ARE DIFFERENT

Every Filippi coming out from our boatyard is the result of the **latest hull design techniques**, top quality materials, industry-standard **quality control** and construction methodology.

All of this combined with a unique ***Made in Italy*** touch.

We never stop investing in innovation and manufacturing process to assure to pro rowing world the **latest advances in design, products and technology.**

STRENGTH POINTS

- Mould speed performance first - *crews competing in Filippi boats over the last 20 years have won more than 400 medals at World Championships and Olympic Games.*
- Innovation - *continuos research and development.*
- Top quality raw materials.
- Passion for details.
- Made in Italy design and production.
- Quality system certification which enables the traceability of all materials that are used.
- Professional assistance on race fields.

WORKING TOGETHER WITH OUR COSTUMERS

because

YOUR SUCCESS IS OUR SUCCESS

OUR (FILIPPI'S) WAY OF COOPERATION!

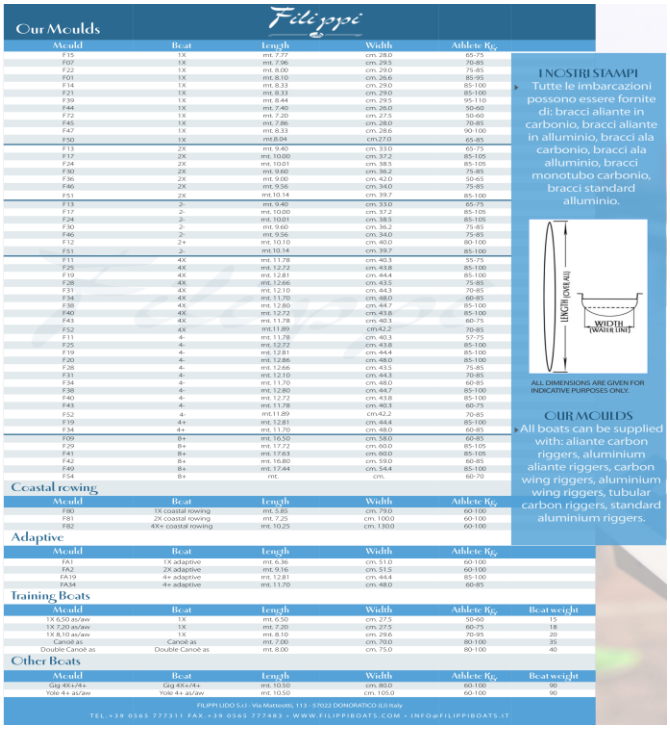
- Offering free tests of boats
- Offering technical support and advising with:
  - best possible mold choice
  - positioning of athletes (best possible boat position in the water)
  - rigging the boat
  - helping choose right rigger type
  - differences using different oars/ sculls (blades, shafts,…)
- free use of boats for good and perspective crews
- providing substitute boats for training when needed
- organizing test camps which enable athletes to test different boat molds and types

MOULD COMPARISON:

- Different boat models/ shapes for same weight category. Important to choose right one for crew's technique, rhythm, body specifics and rowing conditions.
- Most common dilemma when choosing "THE BEST BOAT"; to choose **faster, but more sensitive boat** (not so stable, demands more time to use all advantages the shape is offering)

  or

  "safe choice", when the boat is easy to get used to it. First feeling is much better, but boat is not offering speed as high as narrower boat



Our Moulds

Filippi

Mould	Boat	length	Width	Athlete Kg.
F15	1X	mt. 7.77	cm. 28.0	65-75
F07	1X	mt. 7.96	cm. 29.5	70-85
F22	1X	mt. 8.00	cm. 29.0	75-85
F01	1X	mt. 8.10	cm. 26.6	85-95
F14	1X	mt. 8.33	cm. 29.0	85-100
F21	1X	mt. 8.33	cm. 29.0	85-100
F39	1X	mt. 8.44	cm. 29.5	95-110
F44	1X	mt. 7.40	cm. 26.0	50-60
F72	1X	mt. 7.20	cm. 27.5	50-60
F45	1X	mt. 7.86	cm. 28.0	70-85
F47	1X	mt. 8.33	cm. 28.6	90-100
F50	1X	mt 8.04	cm.27.0	65-85
F13	2X	mt. 9.40	cm. 33.0	65-75
F17	2X	mt. 10.00	cm. 37.2	85-105
F24	2X	mt. 10.01	cm. 38.5	85-105
F30	2X	mt. 9.60	cm. 36.2	75-85
F36	2X	mt. 9.00	cm. 42.0	50-65
F46	2X	mt. 9.56	cm. 34.0	75-85
F51	2X	mt.10.14	cm. 39.7	85-100
F13	2-	mt. 9.40	cm. 33.0	65-75
F17	2-	mt. 10.00	cm. 37.2	85-105
F24	2-	mt. 10.01	cm. 38.5	85-105
F30	2-	mt. 9.60	cm. 36.2	75-85
F46	2-	mt. 9.56	cm. 34.0	75-85
F12	2+	mt. 10.10	cm. 40.0	80-100
F51	2-	mt.10.14	cm. 39.7	85-100
F13	4X	mt. 11.78	cm. 40.3	55-75
F25	4X	mt. 12.72	cm. 43.8	85-100
F19	4X	mt. 12.81	cm. 44.4	85-100
F28	4X	mt. 12.66	cm. 43.5	75-85
F31	4X	mt. 12.10	cm. 44.3	70-85
F34	4X	mt. 11.70	cm. 48.0	60-85
F38	4X	mt. 12.80	cm. 44.7	85-100
F40	4X	mt. 12.72	cm. 43.8	85-100
F43	4X	mt. 11.78	cm. 40.3	60-75
F52	4X	mt.11.89	cm.42.2	70-85
F11	4-	mt. 11.78	cm. 40.3	57-75
F25	4-	mt. 12.72	cm. 43.8	85-100
F19	4-	mt. 12.81	cm. 44.4	85-100
F20	4-	mt. 12.86	cm. 48.0	85-100
F28	4-	mt. 12.66	cm. 43.5	75-85
F31	4-	mt. 12.10	cm. 44.3	70-85
F34	4-	mt. 11.70	cm. 48.0	60-85
F38	4-	mt. 12.80	cm. 44.7	85-100
F40	4-	mt. 12.72	cm. 43.8	85-100
F43	4-	mt. 11.78	cm. 40.3	60-75
F52	4-	mt.11.89	cm.42.2	70-85
F19	4+	mt. 12.81	cm. 44.4	85-100
F34	4+	mt. 11.70	cm. 48.0	60-85
F09	8+	mt. 16.50	cm. 58.0	60-85
F29	8+	mt. 17.72	cm. 60.0	85-105
F41	8+	mt. 17.83	cm. 60.0	85-105
F42	8+	mt. 16.80	cm. 59.0	60-85
F49	8+	mt. 17.44	cm. 54.4	85-100
F54	8+	mt.	cm.	60-70

Coastal rowing

Mould	Boat	length	Width	Athlete Kg.
F80	1X coastal rowing	mt. 5.85	cm. 79.0	60-100
F81	2X coastal rowing	mt. 7.25	cm. 100.0	60-100
F82	4X+ coastal rowing	mt. 10.25	cm. 130.0	60-100

Adaptive

Mould	Boat	length	Width	Athlete Kg.
FA1	1X adaptive	mt. 6.36	cm. 51.0	60-100
FA2	2X adaptive	mt. 9.16	cm. 51.5	60-100
FA19	4+ adaptive	mt. 12.81	cm. 44.4	85-100
FA34	4+ adaptive	mt. 11.70	cm. 48.0	60-85

Training Boats

Mould	Boat	length	Width	Athlete Kg.	Boat weight
1X 6,50 as/aw	1X	mt. 6.50	cm. 27.5	50-60	15
1X 7,20 as/aw	1X	mt. 7.20	cm. 27.5	60-75	18
1X 8,10 as/aw	1X	mt. 8.10	cm. 29.6	70-95	20
Canoë as	Canoë as	mt. 7.80	cm. 70.0	80-100	35
Double Canoë as	Double Canoë as	mt. 8.00	cm. 75.0	80-100	40

Other Boats

Mould	Boat	length	Width	Athlete Kg.	Boat weight
Gig 4X+/4+	Gig 4X+/4+	mt. 10.50	cm. 80.0	60-100	90
Yole 4+ as/aw	Yole 4+ as/aw	mt. 10.50	cm. 105.0	60-100	90

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I NOSTRI STAMPI

Tutte le imbarcazioni possono essere fornite di: bracci aliante in carbonio, bracci aliante in alluminio, bracci ala carbonio, bracci ala alluminio, bracci monotubo carbonio, bracci standard alluminio.

ALL DIMENSIONS ARE GIVEN FOR INDICATIVE PURPOSES ONLY.

OUR MOULDS

All boats can be supplied with: aliante carbon riggers, aluminium aliante riggers, carbon wing riggers, aluminium wing riggers, tubular carbon riggers, standard aluminium riggers.

EXAMPLE 1

M 4X / 4- choice

Filippi molds for this weight

Mold #:	Athletes weight range:	Boat length (m):	Boat width (cm):
F28	75 - 85	12.66	43.50
F31	70 - 85	12.10	44.30
F34	60 - 85	11.70	48.00
F52	70 - 85	11.89	42.20
F19	85 - 100	12.81	44.40
F25	85 - 100	12.72	43.80
F38	85 - 100	12.80	44.70
F40	85 - 100	12.72	43.80

F38 or F40

- F38:
  wider and longer then F40 (offering more stability during rowing, demands "stronger" rowers to use all advantages model is offering)
- F40 :
  More "sensitive" then F38 (offering higher maximum velocity, but demands better technical and rhythmical rowing)

MOST COMMON CHOICE:
F38 for sweep (4-) and F40 for scull (4X)

EXAMPLE 2

M 2x/ 2- BOATS

Filippi molds for this weight

Mold #:	Athletes weight range:	Boat length (m):	Boat width (cm):
F17	85 – 100	10,00	37,20
F24	85 – 105	10,01	38,50
F51	85 – 100	10,14	39,70

Models with **16 continuous wins** in 2X class on major competitions from 2000!

- F17: narrow, faster, but more sensitive then F24. Crew needs more time to get used to it
- F24; comfortable, stable, but doesn't offer maximum velocity as high as F17
- F51; new model, born from F17 with increased stability designed mostly for 2-

EXAMPLE 3

85 kg sculler ➔ which 1X mold to choose?

Filippi molds for this weight

Mold #:	Athletes weight range:	Boat length (m):	Boat width (cm):
F01	85 – 90	8,10	29,60
F07	70 – 85	7,96	29,50
F22	75 – 85	8,00	29,00
F14	85 – 100	8,33	29,00
F21	85 – 100	8,33	29,00
F45	70 – 85	7,86	28,00
F50	65 – 85	8,04	27,00
F47	90 – 100	8,33	28,60
F39	100 – 110	8,44	29,50

Different body constructed athletes, different rowing styles demands different boat choices.

- Short and strong
- Tall and skinny
- Level of sculling technique
- Better/ worse feeling for balance and/ or rhythm
- Expectations of physical development of individual (young) athlete (still growing, gaining weight, loosing weight,…)

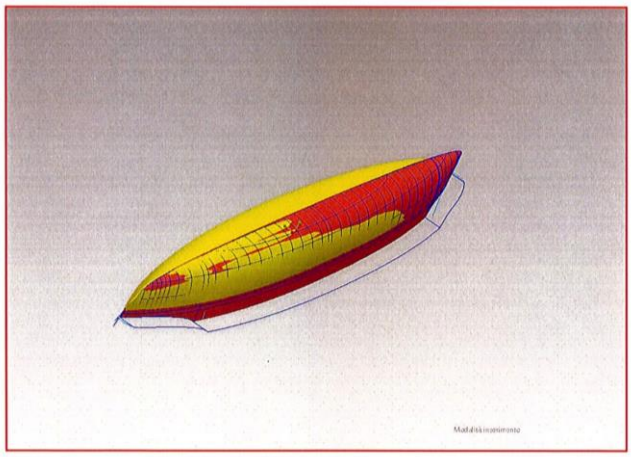
F50 – WOMEN SINGLE SCULL

- Using design principles from F39 and applying them specifically to women stroke characteristics
- Steady and speedy shape build for female athlete profile
- Athlete weight range: 65 – 85 kg

- boat constructed to fit women's stroke characteristics
- greater volume at stern side of cockpit offers good support at catch
- center of gravity positioned slightly toward the stern
- slim long bow glides smooth through the waves

COMPARISON OF (F41 and F49) 8+ BOATS:

- F41 (is, due to feedback from different teams, very fast boat, but (too) difficult to row in.
- Straight bottom line keeps boat in stable vertical position
- F49 is similar as F41, with increased volume, which increased boat stability, but without decrease of maximal velocity.
- Offers more stable balance during rowing, more comfort, with the same max. speed!



Picture. 1 comparison boat volumes F41 (yellow) F49 (red). We notice that stern volumes are clearly greater. F49 is wider only in the upperworks towards bow.

F42 – "women" 8+ boat

- F42 (70 - 85kg, 16,80m long)

similar cross sectiona as F09 increased lenght
offers more "lift" at high speed

FILIPPI COASTAL BOATS

- Boats build with same technology and material as Olympic class
- "piercing bow" is fighting the waves and lowers speed loss
- Great ability of keeping direction
- Constructed to set up all rowing parameters (height, span, pitching angle, distance from zero line,…)
- Adjusting boats center of gravity

Constructed to set up all rowing parameters (height, span, pitching angle, distance from zero line,…)

"piercing bow" is fighting the waves and lowers speed loss


424

Foot-steering system allows coxswain to manipulate the rudder with his hands

foo

Filippi coastal boats are also convenient for recreational rowing and basic rowing lessons

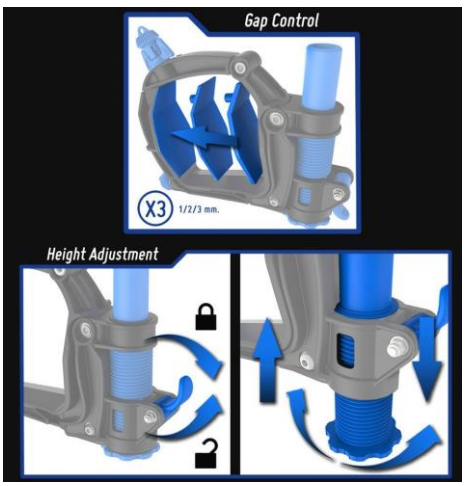
NEW PRODUCTS
-
COMING SOON

ROWO3 – ADJUSTABLE OARLOCK

PITCH ADJUSTMENT

WITH EASY KNOB TURNS YOU CAN ADJUST PITCH ANGLE ON THE WATER

- WITH SIMPLE CHANGE OF "VERTICAL PLATE" YOU CAN REDUCE OR INCREASE INSIDE OARLOCK GAP
- RELEASING THE LOCK AND TURNING PLASTIC PIN WILL INCREASE OR DECREASE OARLOCK HEIGHT. ATHLETE CAN DO IN DURING TRAINING IF NEEDED.



NEW PRODUCT ROWING SEAT 4in1 FOURINONE

MAIN FEATURES:

One seat with **four* shapes** designed to **perfectly fit all rowers**

Unlimited personalized sizes available **on request**

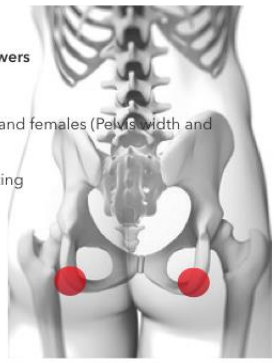
Design adaptation to **physical differences** between males and females (Pelvis width and other specific body characteristics)

Seat top adaptation to **different rowers' pressure** in the sitting

Top level **ergonomic solutions**

More **comfort** for rowers

4 SHAPES



physical differences between males and females

DESIGNED TO PERFECTLY FIT ALL ROWERS

* different and personalized sizes available on request

FLAT INSERT SMALL INSERT MEDIUM INSERT LARGE INSERT

INTERDISCIPLINARY RESEARCH:

Hundreds of **rowers' interviews** (different gender, ages, rowing skills) and deep **market analysis** to investigate **weak points of existing products**.
Extensive **use of Computer-aided design** (CAD) to aid in the creation, modification, analysis, and optimization of the new rowing seat design.
Ergonomic studies.

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Filippi

"We aspire to support the development of rowing in every corner of the earth".

– David Filippi

Thank you for your attention

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