

Swift Racing Order Info

# Cadet

Ver. 2.15



## Moulds & Standard Rigging

For Cadet and Cadet Mini, we only offer the sizes shown below, we do not offer custom made riggers.

\* =Wing rigger only

Mould #	CadMini101-*	CadMini101-*	CadMini101-*	Cad101-*	Cad101-*
Boat type	1x	1x	1x	1x	1x
Crew weight - kg	40-50kg	40-50kg	40-50kg	45-60kg	45-60kg
Crew weight - lb	88-110	88-110	88-110	99-132	99-132
Length	601	601	601	720	720
Waterline Beam -cm	24.8	24.8	24.8	25	25
Bow (starb'd) 1/2 span - scull	735	755	775	755	775
Stroke (port) 1/2 span - scull	735	755	775	755	775
Bow Work height - scull	135	150	165	150	165
Str Work height - scull	125	140	155	140	155
Bow Lateral pitch - scull	0	0	0	0	0
Str Lateral pitch - scull	0	0	0	0	0
Cadet & Cadet Mini riggers	CM Small	CM Medium	CM Large	C Medium	C Large
are not interchangeable.	rigger	rigger	rigger	rigger	rigger
Recommended oars	Cadet Short	Cadet Medium	Cadet Long	Cadet Medium	Cadet Long

- For the boats with the quick release system, it adds 10mm extra height for the riggers. If you don't want the extra height, please order the boat with custom riggers.

## Grades / Construction

All Swift Cadet boats share these features;

- "Sandwich" construction (ie. A core material such as honeycomb, coremat, or PVC foam is sandwiched between 2 "skins").
- Use epoxy resin, and vacuum moulding.
- Enclosed seat decks for maximum buoyancy (exceed FISA's requirement).

	Club A	Club B
<b>Overview</b>	Due to small hull size, only a little over FISA minimum, so can still be highly competitive.	Built for training, but due to small hull size, not as heavy as normal Club B Racing Shells. Relatively easy to repair.
<b>Hull</b>	Coremat core with kevlar skins.	Coremat core with fibreglass skins.
<b>Saxboards</b>	Closed cell PVC foam core with kevlar skins, and carbon reinforcing.	Closed cell PVC foam core with fibreglass skins, and carbon reinforcing.
<b>Canvas decks</b>	Coremat core with kevlar skins.	Coremat core with fibreglass skins.
<b>Seat deck</b>	Closed cell PVC foam core with kevlar skins.	Closed cell PVC foam core with fibre glass skins.

## Stretchers

Club A and Club B are supplied with lightweight carbon and PVC foam sandwich stretchers.

There is a choice between shoes and flexfoot:

	Swift shoes	Flexfoot
Club A	Standard	Standard
Club B	Standard	Standard



**Swift Racing shoes**  
Sizes 37-54 available



**Flexfoot**  
Heel restraints and solid heels for safety, rounded heels for a good fit. Approved by USRowing and British Rowing.

## Shoes Sizes

For shoes, the order form needs to be completed with European shoe sizes.

Please use this chart to help you.

Euro	GB	US	JPN
37	4 1/4	4 3/4	22.75
38	5	5 1/2	23.5
39	5 3/4	6 1/4	24.25
40	6 1/2	7	25
41	7 1/4	7 3/4	25.75
42	8	8 1/2	26.5
43	8 3/4	9 1/4	27.25
44	9 1/2	10	28
45	10 1/4	10 3/4	28.75

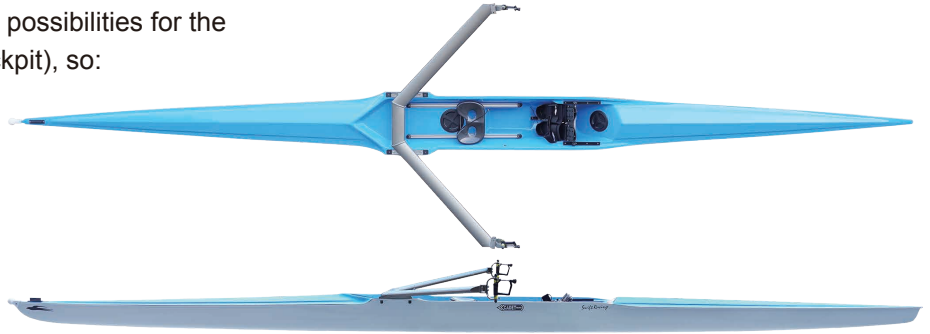
Euro	GB	US	JPN
46	11	11 1/2	29.5
47	11 3/4	12 1/4	30.25
48	12 1/2	13	31
49	13 1/4	13 3/4	31.75
50	14	14 1/2	32.5
51	14 3/4	15 1/4	33.25
52	15 1/2	16	34
53	16 1/4	16 3/4	34.75
54	17	17 1/2	35.5



## Colour Options

All hulls are off white, and there are 4 possibilities for the upper part of the boat (decks and cockpit), so:

- Off white hull/Light grey upper
- Off white hull/red upper
- Off white hull/aqua blue upper
- Off white hull/yellow upper



Colour & RAL	Name	Hull	Upper
		Colour	Colour
RAL 9016	Off white	from 2023	from 2023
RAL 7035	Light grey	until 2023	until 2023
RAL 3020	Red	No	from 2018
RAL 3001	Red	No	until 2018
RAL 5012	Aqua blue	No	Yes
RAL 1018	Yellow	No	Yes

- PLEASE NOTE that the colours shown here are only very approximate representations.
- If the choice of colour is very important, then you should check the colour using the RAL numbers listed above.
- From 2023 we started to use RAL9016 instead of RAL7035 "light grey" for hulls.
- From 2018 we started to use RAL3020 instead of RAL3001 "red".
- From 2022 we are using gelcoat as a base layer, then finishing with the same polyurethane paint as for Racing Shells. This is for hulls and upper parts, bow & stern decks and cockpits.

## Electronics

Wiring and speaker only systems can be sent to all countries.

Complete systems only for countries without a Nielsen Kellerman dealer : <https://nksports.com/dealers>

See NK's website for more details of each product : <https://nksports.com/category-all-products>

### Speed Coach GPS & Speed Coach GPS HR

Option 9 includes the following:	Part #	Option #	all boats
SpeedCoach GPS Model 2 with Training Pack	0183T	9	1
SpeedCoach GPS Bumpers	0189	9	
SpeedCoach GPS & StrokeCoach with Surge Rate Strap Mount (no installation)	0286	9	
SpeedCoach GPS & StrokeCoach with Surge Rate T-bracket Dock	0283	9	optional
Option #10 includes all parts in option #9, plus the following:	Part #	Option #	all boats
SpeedCoach GPS Model 2 Heart Rate Belt (*Compatible w/ 0183T ONLY)	0127	10	1

### Stroke Coach Surge

Option 6 only	Part #	Option #	all boats
StrokeCoach with Surge Rate (includes quick wrap dock)	0125	6	1
Stroke/SpeedCoach Bumpers (order minimum one per Coach unit)	0159	6	
SpeedCoach GPS & StrokeCoach with Surge Rate Strap Mount (no installation)	0286	6	
SpeedCoach GPS & StrokeCoach with Surge Rate T-bracket Dock	0283	6	

optional

## Name on Boat

50mm tall, arial font, in UPPER CASE & lower case. MUST be ordered at the same time as boat.  
Ask Distributor about cost.

## Seat Type

Club B boats are supplied with moulded plastic seat top.



(Sea33B)

Club A boats are supplied with lightweight carbon seat tops.



A. Single action type with bearings, height adjustable. (Sea2)



B. Double action type (add extra 220g per seat) (SeaD1)

## Notes About Riggers

Our riggers are made from high grade aluminium, welded to the optimum design and hard anodised for a long lasting finish.

All are adjustable for span, work height and pitch.

We guarantee the accuracy of our span, work height and pitch, see website for details.

### Aluminium reverse wing riggers

Scull and sweep riggers using aerofoil profiles, with C bracket to hold the pin, mounted behind the rower

All measurements are in millimeters or degrees.  $\pm 3\text{mm}$ ,  $\pm 0.3$  degrees is the margin of error we work to.

Span and work height are calculated:

- From the boat's center line, when the pin is in the MIDDLE position of the rigger block.
- When the oarlock is vertically in the MIDDLE position of the pin.
- From the curve around the hole in the seat top to the sill of the oarlock.

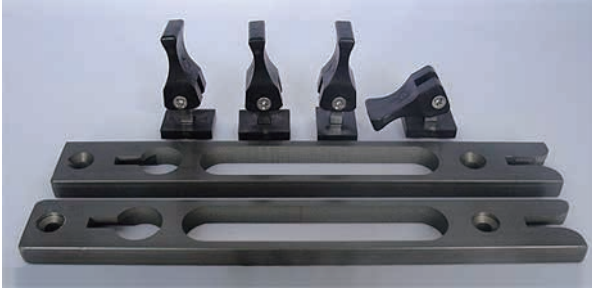
All rigger types are adjustable for work height and span.

	Work height adjustment				Work height adjustment Total	Span adjustment per rigger
	by pin washers	by 10mm spacers	by rigger height	by height wedge		
Ali Reverse Wing scull	$\pm 18\text{mm}$	+10mm			+28, -18mm	$\pm 38\text{mm}$

Wing riggers have +10mm extra work height adjustment with Swift's "10mm spacers", Prod# Rig33 (1 set supplied as standard).

## Quick Release (for wing riggers)

Our wing rigger quick release system is precision made, easy to use and reliable.



Quick Release (QR) parts are the same height as our standard 10mm spacer. Therefore when QR parts are used adjustability of work height is reduced by 10mm.

## Trestles



Steel trestles  
(small for 1s & 2s)



Steel trestles  
(simple for 1s & 2s)



Aluminium trestles  
(small for 1s & 2s)

## Boat Weights

	Club A	Club B
Cadet Mini 1x	16.0kgs (35lbs)	16.5kgs (36lbs)
Cadet 1x	17.0kgs (37lbs)	18.0kgs (39lbs)
Variation	+/-0.5kg (1lb)	+/-0.5kg (1lb)