

## COASTAL/OFFSHORE BOATS INTRODUCTION

Swift Racing coastal boats are designed and developed to excel in coastal conditions meeting and surpassing all FISA requirements.

The range includes two hull designs for CO1x, one design for CO2x and one for CO4x+.

In 2019, Swift Racing was the official supplier of the WRCC.

Swift Racing has been official supplier of 2017, 2018 and 2019 ARCC, as well as 2017, 2018 and 2019 of the Around The Island 42km Marathon in Hong Kong.

Some of the recent successes include:

- 20 medals at the 2019 World Rowing Coastal Championships (7 Gold, 7 Silver, 6 Bronze)
- 6 medals at the 2018 World Rowing Coastal Championships (2 Gold, 1 Silver 3 Bronze)
- 24 Medals at the 2019 Asian Rowing Coastal Championships
- 18 medals at the 2018 Asian Rowing Coastal Championships
- 19 medals at the 2019 French Coastal Championships
- 51 medals at the 2019 Spanish Coastal Championships
- 8 medals at the Irish Offshore Rowing Championships
- 2 Gold and 2 Bronze medals at the 2018 British Offshore Championships
- Race record at the 2017 San Remo to Monaco Coastal Race
- Race records in both 2x and 4x+ at the 2018 Around The Island 45km Marathon

### CONSTRUCTION:

All Swift Coastal boats are made using "Sandwich" construction with fiberglass skins and carbon reinforcement along the hull and the saxboards.

The seat deck is joined to the hull at about the middle height with cross and longitudinal stringers. Two thick carbon saxboards and lips result in certainly some of the stiffest boats on the market.

### RIGGERS

CO1x can be ordered with our stern mounted heavy-duty wing rigger (without backstays), or our bow mounted wing rigger.

CO2x and CO4x+ use our "floating" back riggers.

These are probably the most efficient riggers in the coastal market, because they are fixed to the strong lip with two bolts at a point very near the oarlock, as well as being screwed to the rigger mounts. This mean that there is no torsion of the rigger when the power is applied.

Each rigger can be folded in about 20sec with two 10mm spanners.

The CO2x and CO4x+ can be ordered with sweep riggers.

### RUDDERS

A Smart Track "over stern rudder" can be added on CO1x and CO2x as an option.

If you order a CO2-, the over stern rudder comes as standard.

<http://www.smart-tracker.com>

The fin/rudder system of the CO4x+ is the most efficient and fastest turning system of any builder.

It requires a little time for coxes to master it, but becomes quickly manageable

## **FINS**

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CO1x and 2x come with "fixed" fins, which can be easily removed or replaced with a 2.5mm allen key. We recommend the small fin for 1x and the medium fin for 2x, but the customer can decide, or even choose to have both.

Swift Racing is also the first to offer a dedicated fin for beach sprint races. This smaller fin and a fin box moved 1 meter towards bow, allow the boats to turn in a fraction of a second, and makes beach races even more exciting.

It is also possible to order 1x and 2x with both fin boxes, and we recommend this for demo boats or rental boats.

## **STRETCHERS and SHOES**

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Swift Racing popular flexfoot comes as standard, and Swift Racing shoes are a free option. Active Tools shoes are available at extra cost.

## **STORAGE**

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All boats come with storage in the stern area for life jackets.

On 2x and 4x+ there are two storage positions per rowing position, one on each side. They are big enough for water bottles and some clothes.

On 1x, the life jacket net is close to the stretcher so that it can also be used to store a water bottle and clothes.

## **Short description of each boat**

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Swift Racing believes to offer so far the best range of boats which can excel in flat but even more on moving waters.

### **■ CO1x 103**

The 103 CO1x is an updated version of the 101, and is based on FISA drawings with some changes. Its designed for highly skilled coastal rowers and less wavy conditions. This is our two times Gold medallist boat at 2018 WRCC.

### **■ CO1x 102**

The 102 is design to excel in waves and harsher sea conditions. But it' s is not slow! It has won 5 medals at the 2019 WRCC and has proven to be a fast and playful boat. The extra stability makes it a comfortable boat to row in all type of sea conditions, and this extra comfort will be turned into speed as you can easily apply your rowing technique.

### **■ CO2x 202**

The CO2x shape is like no other. Based on the CO4x+ it exceeds in surfing and hasher sea conditions. It was rowed to a Bronze medal at the 2018 WRCC in flat conditions, won 6 medals at the 2019 WRCC, but also smashed both the men's and women's previous best times in rough conditions at the 2018 and 2019 Around the Island 45km marathon race.

### **■ CO4x 402**

Swift Racing has reasons to believe that this is the best and the most versatile CO4x+ on the market. With even small waves coming from stern, it will start to surf. The boat runs beautifully and does not stop like others makes of CO4x when going through waves. This boat won 4 WRCC medals on flat conditions, 6 medals on the moving water of but has set records in big swells and waves, such as in the 2017 San Remo to Monaco 32km race and at the 2018 Around the Island 45km marathon race.

## Moulds, rigging

Below are the standard rigger specifications for each mould.

Blue highlight means "Wing rigger only"

### Coastal boats

Mould #	C102-	C103-	C202-	C402+
Boat type	1x	1x	2x/-	4x/+
Crew weight - kgs	65-95	65-95	65-95	65-95
Crew weight - lbs	143-209	143-209	143-209	143-209
Mould	Swift	Swift	Swift	Swift
Length	600	600	750	1070
Waterline Beam -cms	46.5		64	74.5
Production Date	May-18	Sep-18	Aug-17	Aug-17
Span - sweep	/	/	860	850
Work height - sweep	/	/	165	165
Lateral pitch - sweep	/	/	0	0
Bow (starb'd) 1/2 span - scull	805	805	805	805
Stroke (port) 1/2 span - scull	805	805	805	805
Bow Work height - scull	160	160	160	160
Str Work height - scull	150	150	150	150
Bow Lateral pitch - scull	0	0	0	0
Str Lateral pitch - scull	0	0	0	0

Deleted mould CO101-, and added mould CO103- to instead of it.

C102- more stable less faster, good for beginner, C103- faster but less stable, good for high performance rowers.

## 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").
- Enclosed seat decks for maximum buoyancy (exceed FISA's requirement).

	Club Performance
Overview	The lowest cost construction, relatively easy to repair.
Hull	Core mat core with fibre glass skins, and carbon reinforcing.
Seat deck & canvas decks	Core mat core with fibre glass skins, and carbon reinforcing.

## Stretcher type

Club Performance boats are supplied with fiberglass and PVC foam sandwich stretchers.

There is a choice between shoes and flexfoot:

We supply Swift shoes and CII type flexfoot for free. If you want Active shoes, there will be an extra cost for them.



Rowing shoes



Swift's own CII type flexfoot  
(approved by USRowing and British Rowing)



Active shoes

## Shoes

The order form needs to be completed with European shoe sizes. Please use this chart to help you.

We can also supply boats with our own "flexfoot" system, which have rounded heels and heel restraints, so are safe for rowing. These have been approved by USRowing and British Rowing.

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 light grey, and there are 4 possibilities for the upper part of the boat (decks and cockpit), so:

Light grey hull/red upper

Light grey hull/aqua blue upper

Light grey hull/yellow upper

Light grey hull/Light grey upper



Colour & RAL	Name	Hull Colour	Upper Colour
RAL 7035	Light grey	Yes	Yes
RAL 3001	Red	No	Yes

Colour & RAL	Name	Hull Colour	Upper Colour
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.

## Name on boat

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

## Seat type

For the Club Performance boats, there is a choice between the following seat types:



Moulded plastic seat top with ball bearing wheels (single action).



Moulded plastic seat top with double action chassis.

## Notes about riggers

All measurements are 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.
- When Ali Wing riggers are fixed to boats with 1 piece of 2mm and 1 piece of 10mm spacer.
- When Ali Reverse Wing riggers (1x only) are fixed to boats with 1 piece of 2mm and 1 piece of 10mm spacer.
- From the curve around the hole in the seat top to the sill of the oarlock.

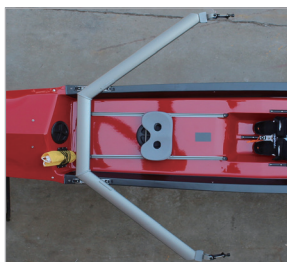
All rigger types are adjustable for work height and span.

	Work height adjustment				Work height adjustment Total	Span adjustment per rigger
	by pin washers	by 10mm spacers	by rigger height	by height wedge		
Ali wing scull (for 1x)	$\pm 18\text{mm}$	$\pm 10\text{mm}$			$\pm 28\text{mm}$	$\pm 21\text{mm}$
Reverse Ali Wing scull (for 1x)	$\pm 15\text{mm}$	$\pm 10\text{mm}$			$\pm 25\text{mm}$	$\pm 22\text{mm}$
Floating ali back scull	$\pm 15\text{mm}$			$\pm 10\text{mm}$	$\pm 25\text{mm}$	$\pm 22\text{mm}$

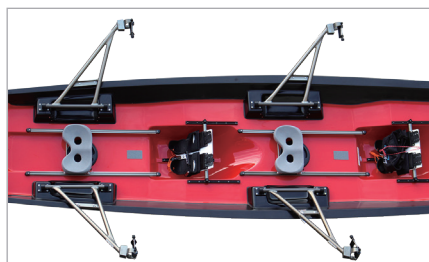
Ali Wing and Reverse Ali Wing riggers have  $\pm 10\text{mm}$  extra work height adjustment with Swift's "10mm spacers", Prod# Rig33 (1 set supplied as standard).

The Ali Back and Reverse Ali Wing riggers are adjustable for lateral pitch.

For Ali Wing riggers, lateral pitch can be easily adjusted with our pin wedges, Rig10A (1 degree wedges supplied as standard).



Reverse ali wing on 1x



Floating ali back on 2x and 4x+

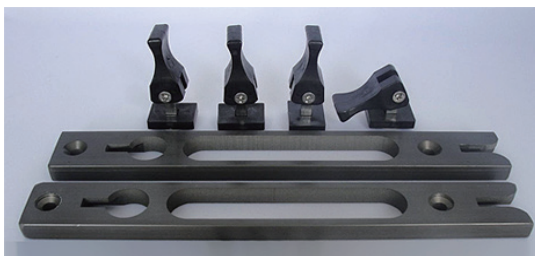


Heavy duty ali wing on 1x

## Quick release (for wing riggers)

Our quick release parts are available for our wing riggers.

These add about 220g per rower. Ask Distributor about cost.



Quick Release (QR) parts are the same height as our standard 10mm spacer, so when QR parts are used, there is 10mm less adjustment to reduce work height.



**Rudders**

The 4x+ has a drop in rudder/fin, just in front of the cox.

The 1x and 2x can be supplied with an option, stern-mounted rudder, controlled by a steering shoe, and able to be pulled up.



**Boat weights**

	Weight (kg)	Weight (lbs)
CO101-	35 ± 2kg	77± 4lbs
CO201-	60 ± 3kg	132 ± 7lbs
CO401+	140 ± 4kg	307 ± 9lbs