

Moulds, rigging

Below are the standard rigger specifications for each mould.

Blue highlight means "Wing rigger only"

Coastal boats

Mould #	C101-	C102-	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	49		64	74.5
Production Date	Jan '15	May '18	Aug '17	Aug '17
Span - sweep	/	/	860	850
Work height - sweep	/	/	155	155
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

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:



Rowing shoes



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

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. $\pm 3\text{mm}$, ± 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