

 **butterfly kayaks**
Innovative folding kayak from JAPAN



www.bfkayaks.com

CATALOG 2015-2016



PROUDLY MADE IN JAPAN



Our aim is to create the most innovative design of folding kayak.
Our design out performs all others on the water and out.
Built with state of the art materials and unparalleled craftsmanship
our three piece design speaks for itself.



CRUSOE series



Expedition model
cockpitpod → p 6 • 7
crusoe415,crusoe460



Light weight model
transformer → p 8 • 9
crusoe415,crusoe460



Multi purpose model
tandem → p 10 • 11
crusoe tandem460



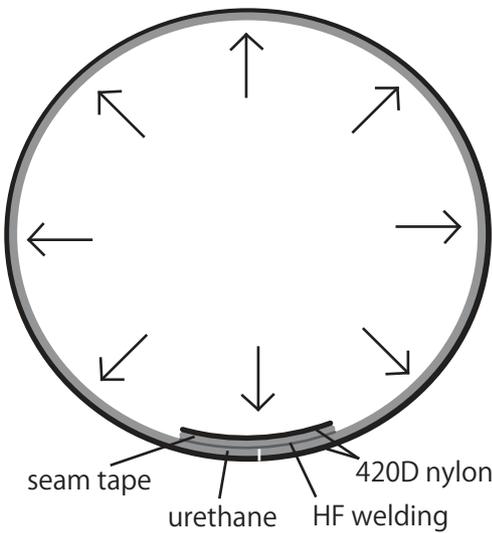
ADVANCED MATERIAL

SUPER STRENGTH G-F R P FRAME



We have chosen to make our strutting from fiberglass composite, which is stronger than aluminium. The FRP tubing is impervious to sea water and will never corrode, it is also very strong and capable of withstanding high bending moments.

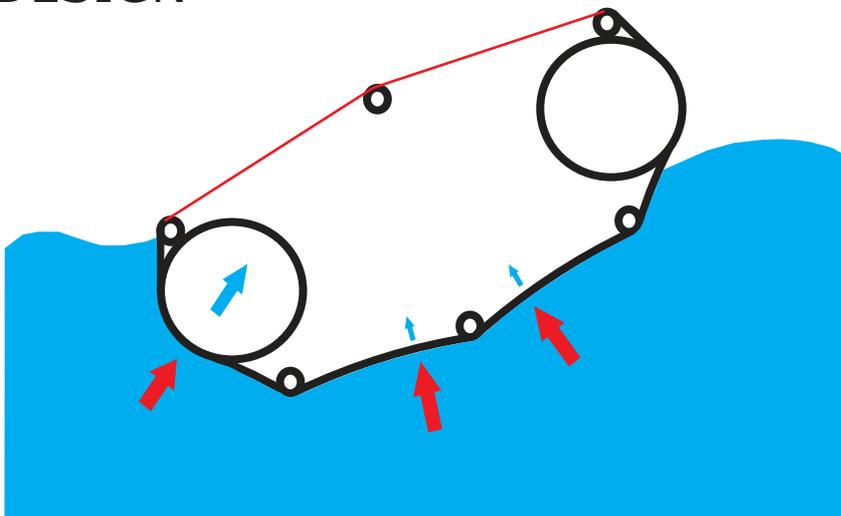
URETHANE HULL AND AIR TUBE



The hull material TPU urethane fabric has highest abrasion resistant and can be welded by HF welding machine. The air sponsons are made from 420D nylon reinforced urethane. The lateral stability can be adjusted by increase or decreasing the pressure in the sponsons. Large inflation valves allow for quick inflation and deflation.



DESIGN



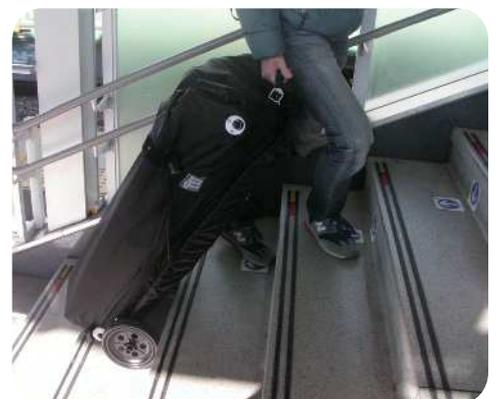
Our design allows for high speed paddling and maneuverability even in strong wind.

EASY ASSEMBLY

The tubular frame of the kayak can be broken down 4 - 6 distinct parts to decrease the packed size for transport. The design of the tubular assemblies uses shock cords which makes it impossible to lose any of the small parts, It also means the kayak can be assembled in under ten minutes.



EASY CARRYING



The 20cm diameter wheels make carrying the kayak long distances easy. It can be carried across rough ground, sand and up stairs easily.



cockpit pod wheel setting



backpack setting with system cart wheel

cockpitpod

SEASOCK

The built in seasock of cockpitpod prevents the hull fore and aft filling with water. In the event that you should capsize the seasock limits the amount of water that can enter the kayak. The cockpitpod effectively gives the kayak fore and aft bulkhead the same as rigid kayak. This feature gives the kayak greater buoyancy and stability. The seasock is made from 1000D PVC with HF welding joint, similar to that used in inflatable boats.



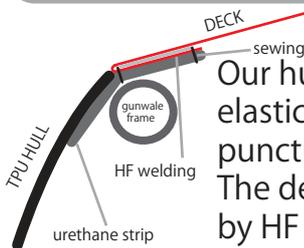
The affect of taking on water

FOOT BRACE

A bar type adjustable foot brace is installed within seasock of cockpitpod. The foot brace is adjusted by tape adjustment from inside of cockpit.



URETHANE HULL



Our hulls are made from a highly elastic urethane sheet, this is puncture and wear resistant. The deck is lap welded to hull by HF welding to ensure a strong water proof joint.

BOW HATCH

Our bow hatch works in the same manner a waterproof stuff sack. They are easier than rubber hatches and will allow 10L water proof bag to be stowed with ease.



HALF ASSEMBLY STORAGE

The stern frame can be removed and stored in the cockpit. This can be easily transported by car this way and you can get in the water quicker when you arrive.



COCKPITPOD

The cockpit pod is constructed from advanced composite materials. It is very strong and extremely durable. The G-FRP is totally inert to the effect of seawater and will never corrode. The kayak skin, bow and stern frame are stored inside the cockpit pod when disassembled.



FRP COCKPIT COAMING

The preformed FRP coaming allows for a good fit for even the neoprene spray skirt.



WINCH TENSION SYSTEM

The stern winch applies constant tension on the hull, allowing for expansion and contraction of the hull. The tension is locked in place by a knot in the rope sliding over a hook latch.

ZIPPER LESS STERN DECK



Zippers are prone to jamming or breaking so we have designed a double fold joint that is held in place by webbing buckles. A water proof joint is achieved by rolling flaps like waterproof bag.

WHEEL ATTACHMENT



The cockpit pod has 2 holes for 20cm large wheel attachment. It can be attached with in few seconds.

COMFORTABLE SEAT

The seat back is formed from FRP and padded with mini cell foam. The seat base is formed in a similar way, but with two types of close cell foam of different densities to give a comfortable feel.



transformer

TRANSFORMER FRAME



The fore and aft section of the kayak frame are teathered to cockpit by shockcord. This allows the kayak to be assembled quickly and there is no way that any of the frame work can be lost.

The frame is folded around the side of the cockpit.



The cockpit then fold flat.



4 FRAME ASSEMBLY AND SKIN



The transformer system is stored in a backpack, which can be converted to a trolley pack with optional wheel kit.



A unique system of two folding rib assemblies that connect fore and aft of the cockpit. This system reduces the packaged weight of the kayak and the time of assembly. A separate FRP coaming is clipped to the assembled frame work. The coaming nylon covercomes in the standard.



FRP COCKPIT COAMING

COAMING NYLON COVER



tandem



6 FRAME ASSEMBLY AND A SKIN



ADJUSTABLE WIDTH SYSTEM

The width of the rib frame is adjustable (with optional parts). The rocker and volume of the kayak can be adjusted to change the performance of the kayak so it is comfortable even when used as a solo kayak.

FOR TANDEM



FOR SINGLE





ROOMY FRONT COCKPIT



KEEL SIDE STRINGER

The keel side stringer prevents deformation of the hull from the pressure of the water making the kayak faster and more manoeuvrable.

NORMAL STORAGE

The tandem is stored in a backpack, which can be converted to a trolley pack with optional wheel kit.

HALF ASSEMBLY STORAGE



COAMING COVER



The cockpit can be left open for a pleasant paddle on quite water, but if you want to be more adventurous the coming cover can be fitted to handle rough water.

FOLDING KAYAK PRODUCTS

CRUSOE415 cockpitpod(crusoe415CP) ¥ 280,800
 LENGTH 4 1 5 c m WIDTH 6 9 c m WEIGHT 1 8 k g (include seasockbag)

CRUSOE415 transformer(crusoe415TF) ¥ 259,200
 LENGTH 4 1 5 c m WIDTH 6 9 c m WEIGHT 1 6 k g

Allround single kayak for river and coast touring use.



RED



BLUE



YELLOW

CRUSOE460cockpitpod(crusoe460CP) ¥ 302,400
 LENGTH 4 6 0 c m WIDTH 6 2 c m WEIGHT 1 9 k g (include seasockbag)

CRUSOE460transformer(crusoe460TF) ¥ 280,800
 LENGTH 4 6 0 c m WIDTH 6 2 c m WEIGHT 1 7 k g

The well balanced sea kayak of speed ,stability and maneuverability ,
 for coastal touring and island hopping.



TURQUOISE

common specification

- cockpit size 80x38cm
- assembly time 7-10minutes
- deck rope,shock cord
- air pump
- repair kit
- spray skirt

cockpitpod model

- packing size crusoe415CP 9 3 x 4 7 x 3 8 c m
- crusoe460CP 9 7 x 4 7 x 3 8 c m
- 2 0 c m llarge wheel
- seasock bag

transformer model

- packing size crusoe415TF 9 3 x 5 0 x 3 0 c m
- crusoe460TF 9 7 x 5 0 x 3 0 c m
- backpack
- coaming nylon cover

STANDARD DECK COLOR CHOICE



CRUSOE TANDEM 4 6 0 (crusoetandem460) ¥ 291,600

LENGT 4 6 0 c m WIDTH 7 5 c m WEIGHT 2 0 k g

Multi purpose tandem kayak



specification

- cockpit size (inside) 2 0 6 x 4 4 c m
- assembly time 10-15 minutes
- packing size 9 7 x 4 7 x 3 2 c m

standard equipment

- deck rope, deck shock cord
- air pump
- repair kit
- seat x 2
- backpack
- foot brace x 2
- knee brace

OPTION for single kayak

coaming nylon cover
¥ 6,480



(※Standard in the transformer model.)

The nylon coaming cover gives a greater degree of water tightness, it also helps to protect the FRP coaming from damage.

aluminium knee brace
for cockpitpod
¥ 4,320



Aluminium knee brace add more fit in the cockpit.

seasock mesh pocket
for cockpitpod
¥ 4,320



Small gear can be stored in the mesh pocket in the cockpit.

Urethane seasock bag for cockpitpod ¥ 12,960

The material of seasock bag for cockpitpod can be changed to the same material for hull urethane.

Expedition bottom hull ¥ 21,600

The material of hull can be changed to 1680D TPU urethane that has exceptionally tear and abration resistance.

Large bow hatch ¥ 4,320



Seasock zipper for cockpitpod
¥ 4,320

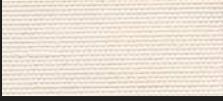
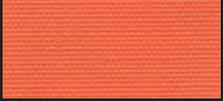
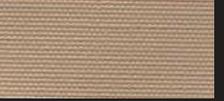




COLOR ORDER

Left lime
Right pink

The optional deck color can be selected, price ¥12960.

				
OFF WHITE	BABY PINK	SWEET PINK	PINK	WHITE
				
GRAYGE	ORANGE	CACTUS GREEN	LIME	CAFE AU LAIT
				
BEIGE	RED (STANDARD)	GREEN	BLUE (SATNDARD)	LIGHT GRAY
				
MARYGOLD YELLOW	CARDINAL RED	DEEP GREEN	LAVENDER	GRAY
				
YELLOW (STANDARD)	BROWN	BLACK OLIVE		
				
SPRUCE GREEN	TURQUOISE (STANDARD)	ROYAL BLUE		NAVY

ACCESSORIES

SYSTEM CART SET ¥ 12,960



The system cart can be attached to the back. Constructed from 6061 T6 aluminium tubing with an anodized finish. Is 20 cm diameter wheels and a stainless steel axle for long life. All the straps to attach the frame to the backpack are included.



Coaming cover for tandem
for single ¥ 14,040
for tandem ¥ 19,440

NRS spray skirt
¥ 6,480

Single bottom rib set
for tandem
¥ 4,320



These are used to change the width of the tandem model.

BACKPACK ¥ 17,280

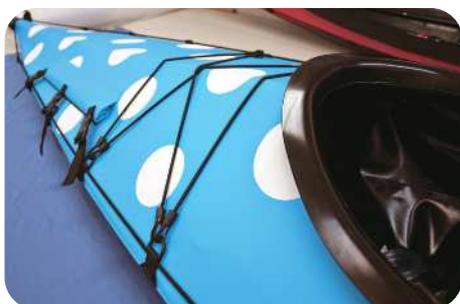


Large backpack for packing the transformer and the tandem. It also can store cockpit pod for transportation.

ONLINE SHOP

<http://www.bfkayaks.com/app/shop/html>

special order items



custom printing



exceptionally light weight kayak for arctic expedition



solar panel attachment

www.bfkayaks.com



BUTTERFLY KAYAKS
SAISHO 325 HIMEJI HYOGO
670-0981 JAPAN
info@bfkayaks.com
TEL +81 79-227-3066