



2021 P1 RIB PROTECTOR

Tillett Racing Seats have been leading the development of karting rib protection since 1996. Our designs have been influenced by many past and present World Champions from karting and F1. Top driver feedback has enabled the P1 to remain the premium protection against rib injury.

Tillett Racing Seats was the first company to innovate a hard load spreading layer on a karting rib protector. A unique composite manufacturing process is used to make the internal panels tough, lightweight, and thin. These panels have carefully designed profiles, which have been formed from experience gained whilst moulding personalised specials to drivers with major rib problems. The sculptured panels are shaped to spread the loads throughout the stronger areas of the rib cage, whilst unweighting the floating ribs that cannot take pressure. The very special anti shock foam used in the P1 is designed to absorb impact and add comfort, again within a very thin section. All resulting in the thinnest karting protectors available, which means that your required kart seat size is unaffected by the addition of the protection. This avoids the need to use a larger seat, allowing the hip and leg bones to contribute towards supporting the high cornering loads.



Size guide

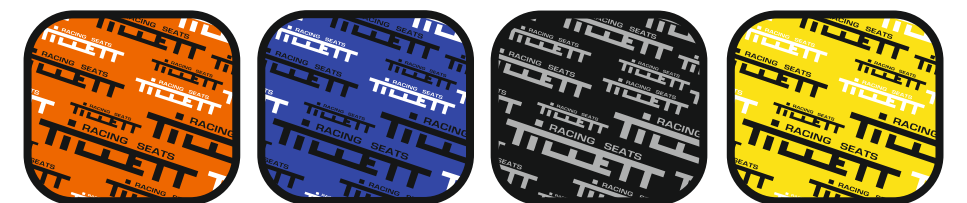
The P1 is available in 7 Sizes; MINI, C, XS, S, M, L, XL

To find your size please refer to the chart below. Chest measurements should be taken using a measuring tape pulled tight around the chest. The measurement position is around nipple height for men and young children. For ladies measure as high up under the bust as is possible. The driver should breathe in and out, taking note of the average circumference. It is strongly advised to choose a rib protector that is not too large. When sizing a rib protector, the fit should be viewed exactly as you would fit a crash helmet, with no gaps and definitely not loose. If the driver is between sizes choose the smaller size and always use the additional adjustment at the rear before choosing the next size up.

MINI	19" - 22"	48 - 56 cm
C	22" - 26"	56 - 66 cm
XS	26" - 32"	66 - 81 cm
S	32" - 36.5"	81 - 93 cm
M	36.5" - 40"	93 - 102 cm
L	40" - 44"	102 - 112 cm
XL	44" - 48"	112 - 122 cm



COLOUR OPTIONS



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FITTING THE RIB PROTECTOR

FITTING

The P1 Rib Protector is designed to protect the ribs from the contact area at the top of the seat. It is extremely important that the Rib Protector is set ideally to cover the ribs where the seat bolts are located in the seat.

When fitting the P1 Rib Protector, it is essential that the angle of the Rib Protector matches the shape of the drivers chest. An equal amount of pressure should be applied at point A and B, allowing the Rib Protector to match the driver chest angle, giving the most comfortable fit.

The gap on the back between the two side panels of the Rib Protector can be up to 60mm wide, allowing use for a wider chest driver. It is very important that there is no overlap with the side panels on the back, otherwise a focus point will be created, making it uncomfortable for the driver.

Once happy with the angle, place the back panel onto the two velcro strips located on the back of the Rib Protector. Firmly press down to ensure the velcro has a good connection.

Now the back angle and back panel have been correctly set to the driver, tighten the front strap by slotting the part C through D and then connect the velcro. Please take care when tightening the front strap, as the Rib Protector only needs to be firm across the chest, not tight. Over tightening the strap will cause elastic failure over a period of time.

To adjust the harness, pull the looped over section (lowest area on harness) away from the driver, to allow the lever clip to pop open, enabling the elastic strap to move freely. Once the harness has been fed through into the correct position both sides, push down on the lever clips to lock them into position.

Please ensure that the P1 Rib Protector is worn inside the race suit over a thin T shirt. Ideally, low profile washers and bolts should be used to minimise any pressure points and avoid damaging the race suit.



Angled chest. No overlap with equal pressure at point A and B.



Angled chest. No overlap with equal pressure at point A and B.



Place back panel onto velcro strips. (May require assistance)



Front strap has been tightened through point C and D. Firm across the chest, not over tightend.

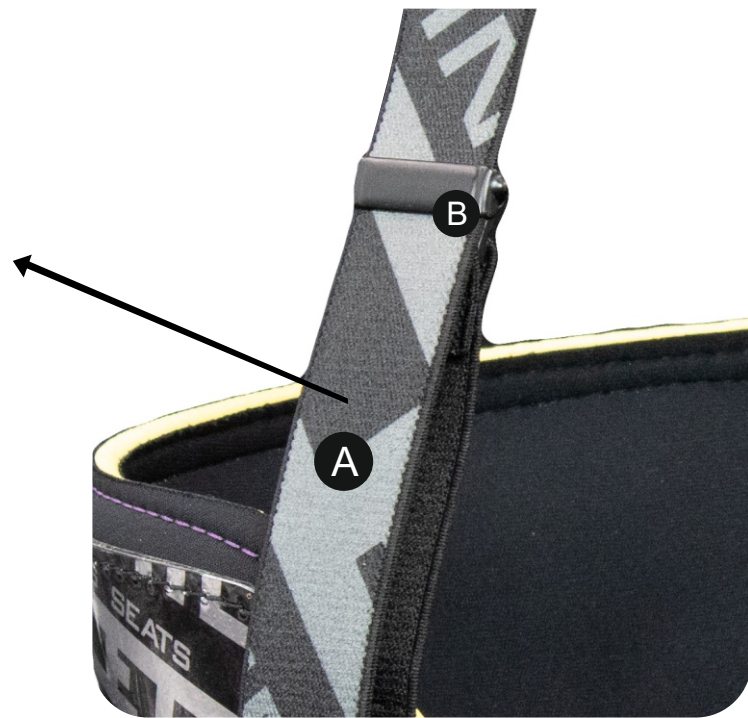


To adjust the harness, simply pull the strap (Part A) away from the driver to undo the lever clip (Part B).



Contact area between seat and Rib Protector

THE NEW 2021 HARNESS STRAP



FLEXIBLE- TO ALLOW THE DRIVER TO FREELY MOVE WHEN PUSHING THE STEERING WHEEL

EASY TO ADJUST- QUICK AND SIMPLE MECHANISM TO LOCK IN DRIVER PREFERRED FIT

EASY TO USE- THE FLEXIBLE STRAPS ALLOWS AN EASY ON AND OFF MOTION BETWEEN USE



To adjust the harness, simply pull the strap (Part A) away from the driver to undo the lever clip (Part B).

Next, feed the strap through the lever clip to either reduce or increase the length of the harness.

