

■ RACING SEATS

TILLET

RACE CAR SEAT RANGE



2011

B1

The B1 Ultra Lightweight Race Car Seat *Ideal for sports, racing or kit cars*

The B1 weighs only 2.75 kg and is made either from glossy carbon fibre or carbon with a glass epoxy back frame. The carefully sculptured surfaces of the B1 are such that padding is unnecessary making it ideal for open topped sports cars. The seat has a saloon car seating angle and the swept away sides allow for either a full racing harness or a normal 3 point car seat belt to be used. The seat is supplied with a Dinamica® suede covered headrest pad as standard and can also be supplied with matching back and cushion panels at extra cost. The B1 can be floor mounted to runners or side mounted using the optional TB1 brackets which allow the seat to tip and mount directly to the floor or TR1 runner system.

The B1 is shown with optional aluminium brackets.

Seat specifications available

- B1 Carbon
- B1 Carbon with Dinamica® suede panels
- B1 Carbon / Black composite
- B1 Carbon / Black composite with Dinamica® suede panels



B2

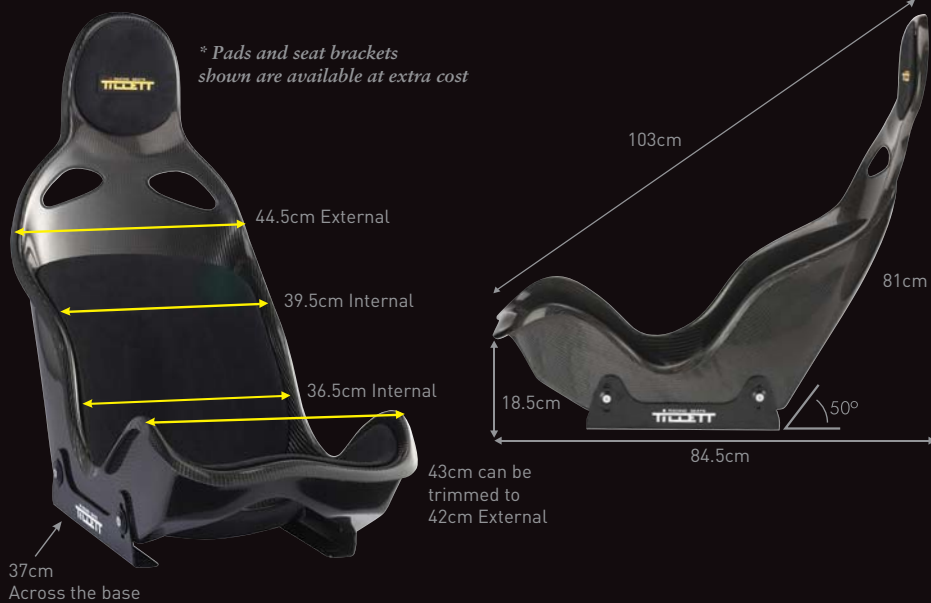
The B2 Ultra Lightweight Race Car Seat Ideal for sports, racing or kit cars

The beautiful lightweight B2 seat weighs from only 2.75 kg and is made from glossy carbon fibre. The seat is designed with a low seating angle which is suited to race or track day vehicles. Due to the back shape the driver is curled into a small space, allowing this seat to be fitted into many vehicles that could not take a regular performance car seat.

The sides of the B2 allow either a 5 or 6 point full racing harness (Recommended on an inclined seat) or a normal 3 point lap belt to be used. Like most Tillett seats, the shape of the B2 is so comfortable it does not require padding making it ideal for open topped cars. The seat is supplied as standard with a Dinamica® suede covered headrest pad and has an option of matching back and cushion panels at extra cost. To get the perfect angle the side mounted B2 has optional TB1 aluminium brackets. These can mount to TR1 runners or directly to the floor. A carbon B2 with a glass epoxy back is also available for those vehicles where the rear of the seat is unseen.

Seat specifications available

- B2 Carbon
- B2 Carbon with Dinamica® suede panels
- B2 Carbon Black composite
- B2 Carbon Black composite with Dinamica® suede panels



B3.5

The B3.5 Ultra Lightweight Race Car Seat

The B3.5 is a thin ultra lightweight car seat shell to fit in the B2 narrowest of vehicles. It is available in carbon / GRP and black / GRP versions and comes with 6 special mounting bolts and Dinamica® suede headrest pad. By using this light flexible shell it is possible to use the B4 shape in vehicles where the vast majority of sports/race seats would simply not fit. The belt holes in the B3.5 allow a full racing harness to be used (a 5 or 6 point harness is recommended on an inclined seat) Due to its very thin and light construction (1.8kg for the carbon / GRP version) this seat needs to be used in a vehicle where the seat can be supported high up on the sides and at the headrest. This can be either from the vehicle itself, if it has a roll bar and bulkhead, or from a metal support frame constructed by the customer.

Dinamica® suede back and cushion panels are available at extra cost.

Registered Community Design (000922950-0001)

Seat specifications available

- B3.5 Carbon / GRP
- B3.5 Black GRP



B4

The B4 carbon / GRP seat

The B4 carbon / GRP seat weighs only 4 kg and has been made to allow fitment into some of the narrowest vehicles around. Although light it is still rigid, due to its twin skin construction and it holds the driver in a comfortable inclined racing position. The belt holes in the B4 allow a full racing harness to be used (a 5 or 6 point harness is recommended on an inclined seat). The shoulder holes have been optimised to enable the use of a Hans device.

Soft padded panels covered in Dinamica® suede are available at extra cost. However, the shape is so comfortable covering is unnecessary making it ideal for open topped sports cars. The B4 has six M8 mounting points; two are up high at chest level and give more mounting options. The four lower fixings are for the aluminium TB1 mounting brackets and with these the B4 can be mounted directly to the floor or on top of TR1 runners. You have the choice to order a 40 or 42 cm front. The two specifications remain the same size internally, the 40 cm version is made to allow fitment between the gearbox tunnel and the door sill. A 40 cm front will fit a Caterham, Westfield and most other similar vehicles. With the 42 cm version the rolled edge is left on giving a more aesthetically pleasing line to the edge of the seat, therefore if you have the room go for this model. A lower cost black GRP B4 is also available.

Registered Community Design (000922950-0001)

Seat specifications available

- B4 Carbon GRP
- B4 Carbon GRP with Dinamica® suede panels
- B4 Black GRP
- B4 Black GRP with Dinamica® suede panels



B5

The B5 carbon / GRP seat

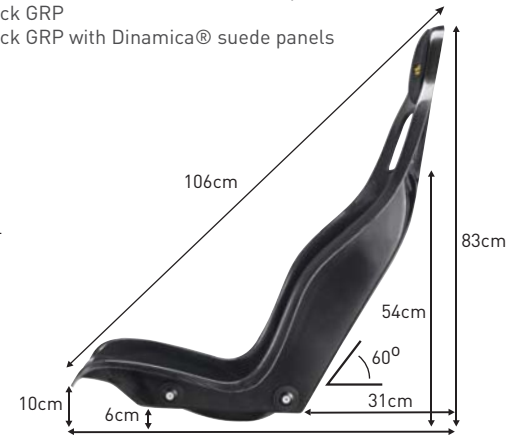
The B5 carbon / GRP seat weighs from 5.7 to 6.7 kg and it has been designed especially to suit the Lotus Elise / Exige. This model has a regular saloon car seating angle and the small narrow size of the B5 means that it can be used in many other vehicles. The B5 sits the driver very low in the car which reduces the likelihood of hitting the crash helmet on the roll cage. This benefits the taller driver who may have problems in other seats and also helps lower the centre of gravity. The side profile developed from years of manufacturing kart racing seats gives excellent support and leaves the shoulders free to help steer the car unhindered. The seat is also very rigid which aids feel of the vehicle. Although the seat is small it can fit a surprisingly large range of driver sizes and the seat has been designed to be compatible with the Hans device. To give that extra bit of comfort, versions of the B5 seats are available with Dinamica® covered soft padded suede panels.

Registered Community Design (000922950-0002)

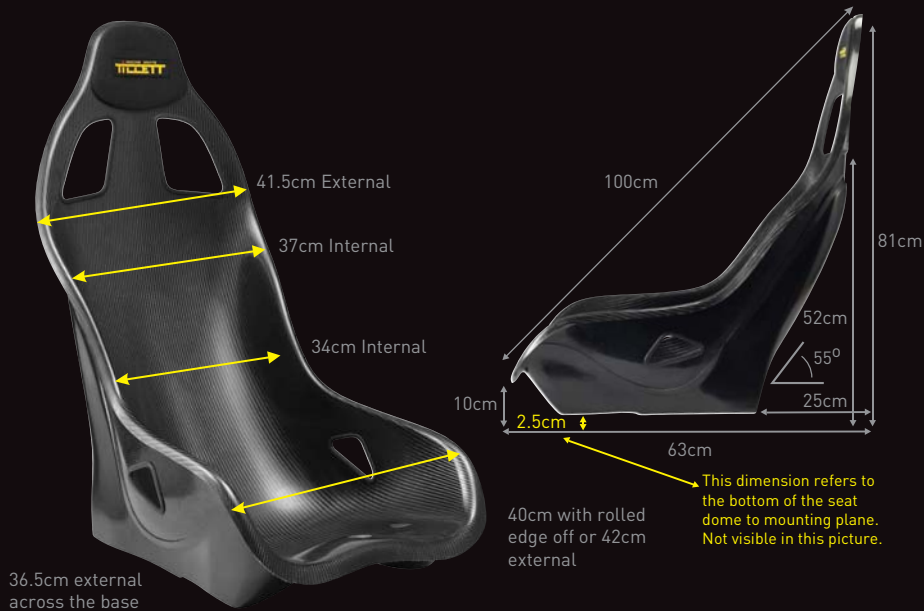
The side mounted B5 has five types of brackets available.
EB1 Race/track bracket / EB2 Road bracket
EB3 Fixed passenger brackets / TB2 Aluminium brackets.
TB3 Aluminium brackets. (See bracket section)

Seat specifications available

- B5 Carbon GRP
- B5 Carbon GRP with Dinamica® suede panels
- B5 Black GRP
- B5 Black GRP with Dinamica® suede panels



B6 / B6F



The B6 is a narrow seat suited to many kit and track day cars. Its driving angle is based on our popular Caterham R500 seat but it has some important differences. The headrest has been moved back to prevent the drivers head from being pushed forward when using a crash helmet and the shoulder belt holes have been designed to allow the use of a Hans device. The hip holes have also been enlarged to help easier access for wider lap belts. **The B6 is available in carbon / GRP or black GRP versions.** To give it that extra bit of comfort, the B6 is available with Dinamica® covered soft padded suede panels. The composite shell is made so that the outer edge can be either removed for narrow 40 cm tubs or left on to create a continuous rolled edge around the whole perimeter of the seat. The mounting points for the B6 are under the seat so that the TR1 Tillett Adjustment Runners can be bolted directly underneath. Using at least 25 mm of spacers under each M8 mounting point, the B6 can be bolted straight to the floor without runners and nylon spacers can be supplied to tip the seat at different angles.

Weight 3.8 kg

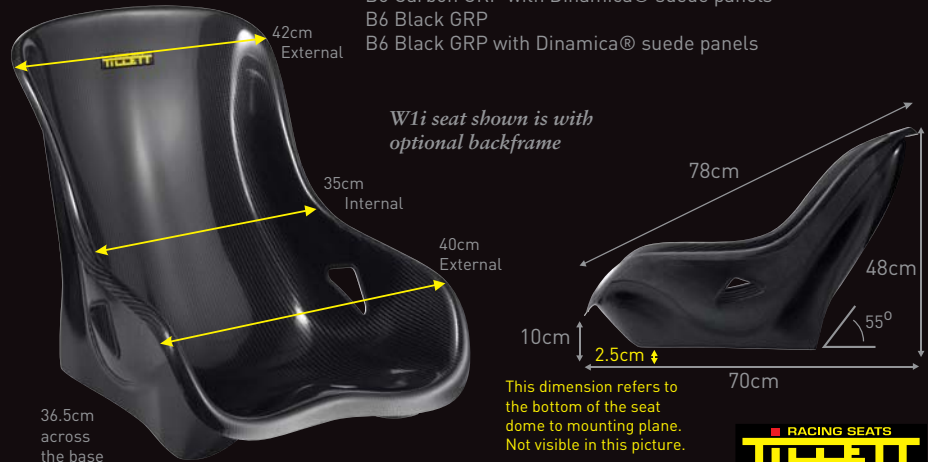
W1/W1i

The W1i Tillett car seat is extremely narrow yet it can still accommodate a majority of drivers. The shape is the same as the B6 without the headrest. This makes it suitable for an application where there is already a headrest support in existence. You have the choice to order a 40 or 42 cm front. The two specifications remain the same size internally, the 40 cm version is made to allow fitment between the gearbox tunnel and the door sill of narrow vehicles similar to a Caterham, or Westfield. With the 42 cm version the rolled edge is left on giving a more aesthetically pleasing line to the edge of the seat, therefore if you have the room go for this model. The W1i is also available with a floor mountable back frame. With this back frame it is possible to mount the seat directly to the floor or the Tillett TR1 seat adjustment runners. The weight of the W1i with the back frame is 3.2 kg and 1.9 kg without. The W1i moulding has two smooth sides making the seat more attractive than the handmade variety. The method of manufacture used to make the W1i also makes it less expensive than the W1 with higher quality.

W1 handmade The W1 shape can be ordered in handmade carbon/Kevlar® versions as well as black GRP. The black GRP version weighs 2.2 kg and the W1K carbon/Kevlar® version is only 1.1 kg. The handmade W1 cannot be ordered with a composite back frame. Please specify your seat belt hole preferences when ordering. Both the W1i and W1 can also be ordered with or without covering. A half covered example is ideal for open top cars. The W1i / W1 shape is the seat most suited to Formula Student University projects.

Seat specifications available

- Injected W1i Carbon GRP uncovered with or without back frame
- Injected W1i Carbon GRP with half or fully covered with or without back frame
- Injected W1i Black GRP uncovered with or without back frame
- Injected W1i Black GRP with half or fully covered with or without back frame
- Handmade W1 Carbon KEVLAR® half or fully covered
- Handmade W1 Carbon KEVLAR® uncovered
- Handmade W1 Black GRP half or fully covered
- Handmade W1 Black GRP uncovered



The B6F

The New B6 F has the same internal shape as the regular B6 but it has an extra strong full height backframe with side mounting points designed for FIA homologation. The side mounting gives the ability to use the TB1 Aluminium brackets to fit down to a flat floor. It also has extra upper mounts at chest level and a headrest mounting point. **Weight 7.9 kg**

This seat is currently going through FIA testing and we expect to have this completed soon.

(Please note that the Caterham R500 seat is only available through Caterham.)

Seat specifications available

- B6 Carbon GRP
- B6 Carbon GRP with Dinamica® suede panels
- B6 Black GRP
- B6 Black GRP with Dinamica® suede panels

W2



The W2 is a 25 mm wider version of the W1 and is also handmade. It is available in Carbon/Kevlar® and GRP versions. The weight of the GRP version is 2.4 kg; the weight of the Kevlar version is 1.1kg without the back frame. The W2 can also be ordered with or without covering. A half covered example is ideal for open top cars. Seat belt harness holes are included if required. Please specify if you want a crutch hole for a 5 or 6 point harness. The W2 is now also available with a floor mountable back frame. With the new back frame it is possible to mount the seat directly to the floor or the Tillett TR1 seat adjustment runners. The weight of a W2 with the new back frame is 3.3 kg.

Seat specifications available

- Handmade W2 Carbon KEVLAR® half or fully covered
- Handmade W2 Carbon KEVLAR® uncovered
- Handmade W2 Black GRP half or fully covered / with or without back frame
- Handmade W2 Black GRP uncovered / with or without back frame

W3

The W3 is an inclined laid down version of the handmade W1 and the driving position is suitable for formula racing vehicles. The lightweight handmade carbon Kevlar® version only weighs 1.1 kg. Seat belt harness holes are a no cost option and if specified at the time of ordering you can select the size of hole that suits your application best. You have the choice to order a 40 or 42 cm front. The two specifications remain the same size internally, the 40 cm version is made to allow fitment in a narrower cockpit. With the 42 cm version the rolled edge is left on giving a more aesthetically pleasing line to the edge of the seat, therefore if you have the room for this model.

Seat specifications available

- Handmade W3 Carbon KEVLAR® half or fully covered
- Handmade W3 Carbon KEVLAR® uncovered
- Handmade W3 Black GRP half or fully covered
- Handmade W3 Black GRP uncovered



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BRACKETS

TB1 aluminium side mounting brackets are 5 mm thick and suit the B1, B2, B4 or B6F car seats in race and track applications. These allow the seats to be tipped, raised and lowered. TB1 brackets can be used with TR1 seat adjustment runners. However, it is not recommended to use any seat adjustment runners on a race or track day car, as they are only intended for road use.



TB2 aluminium side mounting brackets suit the B5 car seat. These are 5 mm thick and allow the seats to be tipped, raised and lowered. The TB2 bracket is the type to use if you intend to mount the seat on top of a runner system or box section.

They are too short to reach a flat floor as the dome will be below the level of the bottom of the bracket. (Use TB3 brackets for a flat floor mounting)

It is not recommended to use adjustment runners on a race or track day car, as they are intended for road use.



TB3 aluminium side mounting brackets suit the B5 car seat. These allow the seats to be tipped, raised and lowered then bolted to a flat floor. TB3 brackets can be used with TR1 seat adjustment runners. It is not recommended to use adjustment runners on a race or track day car, as they are intended for road use.



EB1 Tillett side mount seat brackets for the B5. This strong and rigid 3 mm thick steel mounting bracket set is designed to solidly fit the B5 driver's seat to the Elise/Exige for race and track applications and it allows the driver to adjust the angle, height and leg length in 5 mm increments.



EB2 Tillett B5 Elise brackets for fitting to original runners. This 3 mm thick steel mounting bracket set is designed to fit on the existing Elise/Exige runners and allows the driver to adjust the angle, height of the B5 seat. They also have mounting points for the original seat belt mountings or they can be used for a race harness. It is not recommended to use seat adjustment runners on a race or track day car.



EB3 Tillett B5 Elise brackets for fitting passenger side without runners. This 3 mm thick steel mounting bracket set is designed to solidly mount the passenger side of the Elise/Exige without leg length adjustment. However, they do allow a small amount of angle and height adjustment. The EB3 brackets have mounting points for the original seat belt mountings and these can be used for a race harness. Two types are available; EB3 LHD and EB3 RHD, for left and right hand drive cars.

TR1 The TR1 adjustable seat runner sets are made to be used in conjunction with car seats B1, B2, B4 and B6F when they are also using the TB1 brackets and the B5 when coupled with the TB2 brackets. The TR1 runners fit directly to the bottom of the TB1/ TB2 brackets.

The runners can be bolted to the bottom of the B6 seat and also the W1/W2 seats without brackets when these seats are fitted with the optional back frame.

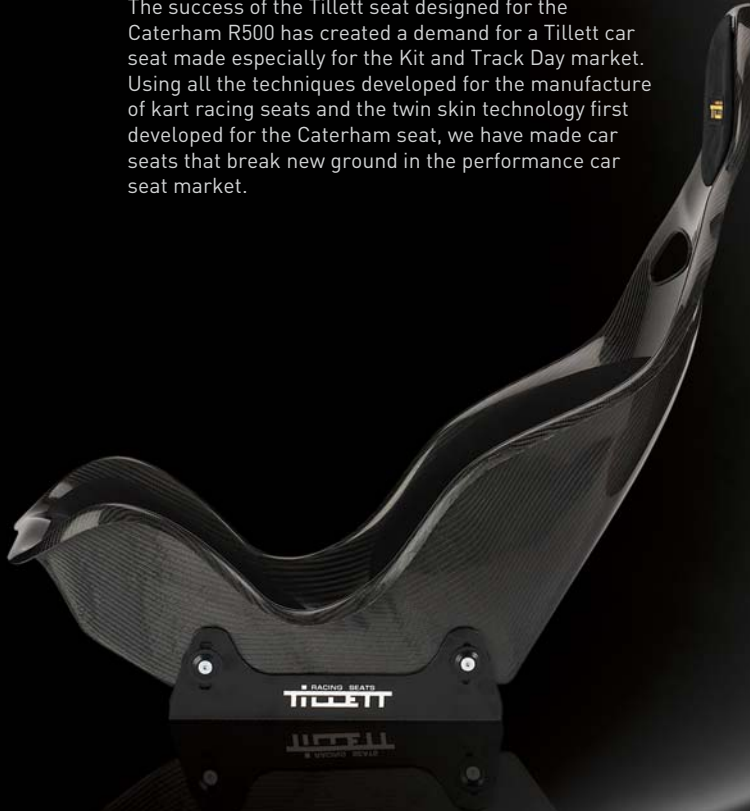
The TR1 adjustment runners are supplied with a bolt kit.



TILLETT CAR SEAT RANGE

For lightweight sports, race, kit and track day cars.

The success of the Tillett seat designed for the Caterham R500 has created a demand for a Tillett car seat made especially for the Kit and Track Day market. Using all the techniques developed for the manufacture of kart racing seats and the twin skin technology first developed for the Caterham seat, we have made car seats that break new ground in the performance car seat market.



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KEVLAR® is a trademark of E.I du Pont de Nemours and Company.



For 10 years Tillett Racing Seats have been supplying composite car seats to Caterham Cars. Caterham were so impressed with our composite quality that most Caterham carbon fibre and composite components are now made by us.