

TRi and TRO adjustment runner fitting advice



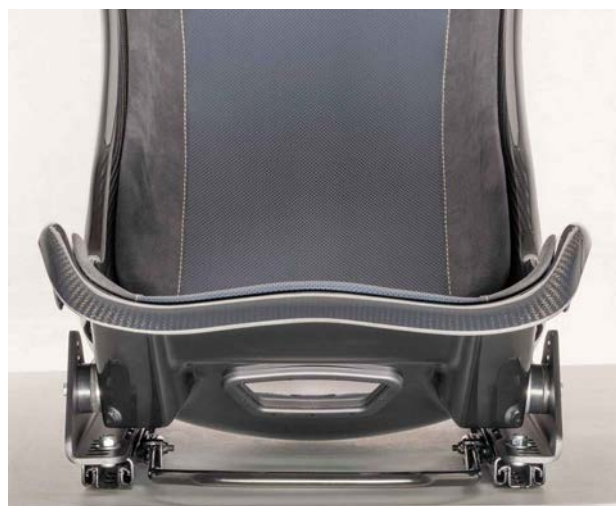
TRi Adjustment runner system **For use with inward pointing Tillett** **brackets and side mount seats.** **(See page three for fitting the TRi to** **bottom mount seat types)**

TRi runners

The combination of the inward pointing Tillett seat brackets and TRi runners gives an extremely small footprint. Brackets such as the STBi, VTBi and STBT, or for use with the shorter 23 cm hole spacing of the B5 seat, the TBB5 and TBB5T brackets.

Before you consider fitting adjustment runners please note that runners are not designed for the race track. We recommend a solid fixing for competition.

The TRi runners have a number of hole options but the set on top that match the STBi, VTBi and STBT measure 34.5 cm. With the TBB5 and TBB5T use the set that measures 29.85 cm, paint removal in the slot may be necessary with these brackets. The handles on the TRi runners are narrower than the TRO, to enable a 32 cm width across the fitting holes when on seats such as the B6, B7 and B10. With the wider based seats, such as the B5, B8, B9 and the XL versions, the width across the mounting points is approximately 2 cm wider. Therefore, when using these types a small bend to the handle will be required. If the holes in the base plate or floor of the car do not come within a couple of cm of 32 cm width, re drilling the floor or plate may be necessary, as bending the handle tube too much could deform it. Fix the runners to the brackets using the four M8 dome head bolts. Try to use the heads of the bolts inside the runner to stop the upper and lower bolts in the runner coming into contact when adjusting. Four M8 x 30 mm cap head bolts are provided for fitting the runners to the floor or base plate.





Changing the number of spacers between the seat and bracket adjusts the width. *Do not use the nylon spacers under the head of the bolt on the outside of the bracket.*

Tillett seats are extremely compact and because they are narrow the mounting points sit under the leg. Therefore, to run the seat dome close to the floor, the brackets must be spaced further apart when used on the lowest hole settings. Additional spacer kits such as the Nylon TBLK01, TBLK01, TBLK03 and the TK9 aluminium slot support spacer kit, can be used to achieve this. (See page 5.) Some seats will require more spacers than others. For example the XL seats have larger leg bulges, so therefore require the brackets wider apart to miss the leg support. In extreme circumstances, to achieve the narrowest possible footprint with the seat at it's lowest, it may be necessary to cut the front of the brackets down.

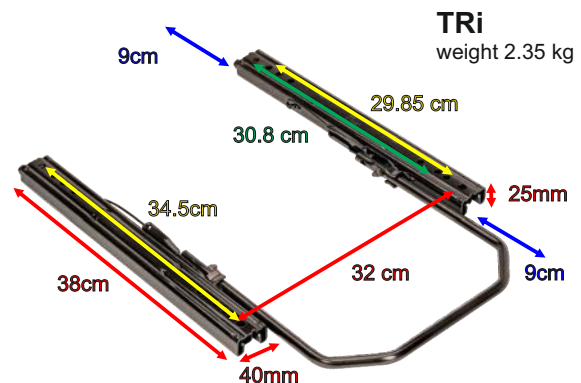


When the seat is set low, the brackets can impact the leg support. The brackets will then need to be spaced further apart.



With the seat set on its lowest height setting the gap between the seat and the bracket is tight. To get the nut and washer on when fixing the runners, turn the seat upside down, use some masking tape on an open ended spanner to hold the nut and washer in place as you start the threads.

The hole options on the top of the runners for fitting to various types of brackets are. 34.5 cm, 32.2 cm, 32 cm, 30.8 cm, 30.4 cm, 29.8 cm, 28.5 cm, 28.2 cm, 27.9 cm, 26.5 cm, 25.8 cm, 24.4 cm, 24 cm, 21.8 cm.



TRi Runners extend 9cm to the front and rear

The hole options on the underside of the runners for fitting to the floor are. 34.8 cm, 33.4 cm, 33 cm, 31.6 cm, 31 cm, 29.7 cm, 29.5 cm, 28 cm, 26.5 cm, 26 cm, 25.7 cm, 24.6 cm, 22.7 cm, 22.2 cm.

The Tillett TRi runner set fits under Tillett brackets using the included fitting kit.

- 4 x 30 mm x M8 Cap head screws
- 4 x 16 mm x M8 Button head screws
- 8 x M8 Nylock nuts
- 8 x zinc M8 washers

Seat runner + TK5 fitting advice for B6, B6 XL, W1i, W2i, W3 and W4 Tillett seats supplied with bottom mounts

The TRi runners can be fitted to post 2025 Tillett bottom mounted Tillett seats using a **TK5 fitting kit**. This kit gives a selection of spacers to fill the gap between the seat and the runner, which is required to separate them enough for the central seat dome to clear the floor and runner mechanism. The Tillett seat types that have the option of being “bottom mounted” are the non FIA B6 and B6 XL, as well as the low back W1i, W2i, W3 and W4, when these are fitted with a back frame moulding.



Fig. 1

“Bottom mounts” means that there are four M8 captivated threads in the base of the seat, with the hole centres measuring 30.8 cm front to back and 31.4 cm from side to side. (Add 2 cm width for the XL.) Bending the handle a little to match the perfect width may be required.



Fig. 2

Make certain that the 35 mm M8 bolts are tightened to 35 Nm and if any other length of bolts are used that they are a minimum of 12.9 grade. You will always need at least 10 mm of bolt to pass into the captive fitting.

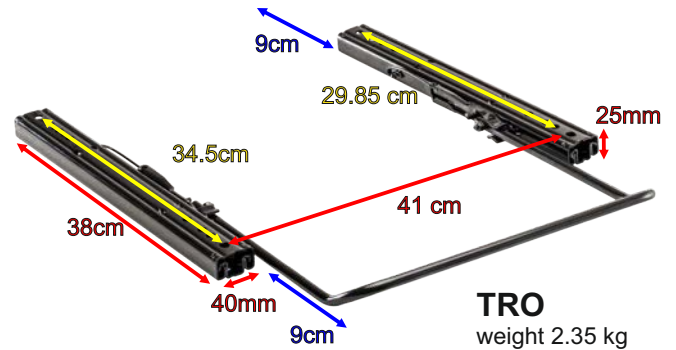
The Nylon spacers can be used to tip the seat angle a little. We recommend that tipping by adding spacers should be done between the runners and the floor of the car, where it will not twist the composite. We recommend no more than 1 cm either reclined or more upright, to avoid twisting the runner.



Put all four bolts into the threads carefully without force before tightening as this will help avoid cross threading.

TK5 fitting kit includes;
4 x 50 mm x 10 mm Nylon spacers
4 x 40 mm x 10 mm Nylon spacers
4 x 40 mm x 2 mm Nylon spacers
4 x zinc M8 washers
4 x M8 x 35 mm 12.9 cap head bolts.

TRO seat runner fitting advice, for use with outward pointing Tillett seat brackets



TRO Runners extend 9cm to the front and rear

The hole options on the underside of the runners for fitting to the floor are. 34.8 cm, 33.4 cm, 33 cm, 31.5 cm, 29.7 cm, 29.5 cm, 28 cm, 26.5 cm, 26 cm, 25.7 cm, 24.6 cm, 22.7 cm, 22.2 cm.



Here are some helpful pointers to the safe and secure fitting of the TRO runners to the outward pointing Tillett brackets, such as the STBO, VTBO, STBT and TBFIAO2. Additionally, for the B5 seat the TBB5 and TBB5T brackets.

Before you consider fitting adjustment runners please note that they are not designed for the race track. We recommend a solid fixing for competition.

The handles on the TRO runners are 90 mm wider than the TRi to create a 40.5 cm hole width when used with the outward pointing Tillett brackets on seats such as the B6, B7 and B10. With the XL seats and wider based seats such as the B5, B8, and B9, the width across the mounting points are approximately 2 cm wider. Therefore, when using these, a small bend to the handle may be required. If the holes in the base plate or floor of the car do not come within a couple of cm of this standard 40.5 cm width, re drilling the floor or plate may be necessary, as bending the handle tube too much could deform it.

Fix the runners to the brackets using the four M8 dome head bolts. Try to use the heads of the bolts inside the runner to stop the upper and lower bolts in the runner coming into contact when adjusting. Four M8 x 30 mm cap head are provided for fitting the runners to the floor or base plate.

The hole options on the top of the runners for fitting to various types of brackets are. 34.5 cm, 32.2 cm, 32 cm, 30.4 cm, 30.8 cm, 29.8 cm, 28.5 cm, 28.2 cm, 27.9 cm, 26.5 cm, 25.8 cm, 24.4 cm, 24 cm, 21.8 cm.



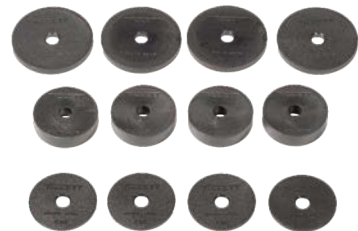
When on the lowest bracket setting using the spacers there is a 2 mm gap to a flat floor



TBLK01 for lowering the B6/B7



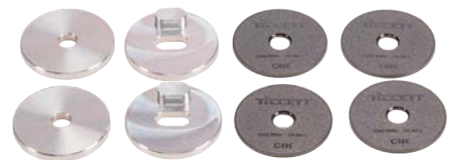
TBLK02 for B10



TBLK03 for B5, B8 and B9



TK9 pegged spacer kit



Changing the amount of spacers between the seat and bracket adjusts the width. Tillett seats are extremely compact and because they are so narrow, the mounting points are under the leg. Therefore, to run the seat dome close to the floor, the brackets must be spaced out when used on the lowest hole settings. Additional Nylon spacer kits, such as the TBLK01, TBLK02, TBLK03 and the TK9 aluminium slot support spacers, can be used to achieve this. Some seat models will require more spacers than others. For example the XL seats have wider leg bulges, so require the brackets wider apart to miss the leg support. In extreme circumstances to achieve the narrowest possible footprint with the seat at it's lowest, it may be necessary to cut the front of the brackets down.

The Tillett TRO runner set will fit to the bottom of the brackets using the included fitting kit.

Fitting kit includes;

4 x 30 mm x M8 Cap head screws

4 x 16 mm x M8 Button head screws

8 x M8 Nylock nuts

8 x zinc M8 washers

