

CONSTRUCTION RULES

F2 STOCK CARS

1. Models to be a reasonable representation of a full-size open wheel F2 Brisca stock car. F2 Stock car Body for all Championship meeting. Front wings allowed.
2. No car shall be constructed so as to be dangerous to persons or cause damage to competitor's cars, or to the track surface. No sharp or protruding objects are allowed on the cars.
3. Overall chassis length to be between 285mm and 310mm. Overall chassis width to be a maximum of 163mm. Overall Chassis thickness (contact surface) between 9mm and 16mm and be consistent thickness throughout all parts. Chassis MUST be made from one continuous piece of plastic (this MUST include the front and rear bumpers and nerf rails.), with one gap permitted for the location of the spur gear. (B) Minimal notching for steering and suspension components.
4. The maximum bumper height must not exceed 46mm (measured at the top of the bumper) and have a minimum height of 27mm (measured from the bottom of the bumper) ALL bumpers, Top chassis and nerf rails must be plugged and have no sharp edges.
5. Over riders must be fixed with a Bolt or nut to front and rear bumpers. The height from the top of the bumper to the top of the overrides must be between 19mm and 32mm at the front and must have a maximum of 19mm at the rear.
6. The baseplate can be constructed from alloy, glass fibre or carbon sheet, and must not have splits or cuts for suspension.
7. Rear suspension to be of the pod type, with a single pivot at the front and simple spring arrangement. No oil filled shock absorbers.
8. Independent front suspension can be used (a simple Spring arrangement) with no damping allowed. No oil filled shock absorbers. No beam axle and no alloy wishbones.
9. Ball raced Axles are allowed front and rear.
10. 10) There is a minimum ground clearance of 3mm, this includes any protruding screws, 1mm clearance for spur gear.
11. Tyres must be foam or rubber, Tyre additives are not allowed.
12. Tyres must have a minimum 20mm and maximum 26mm width, and a maximum 60mm diameter.
13. The use of multiple speed transmissions (gearboxes) is not allowed, only 32dp pitch gears will be allowed. Limited slip devices and differentials of any kind are not allowed, solid rear axles only. Single nut fixing at either end are allowed only. No carbon axles allowed.
14. The cost of the rolling car (excluding all radio, batteries, Esc, and motor) must not exceed £220.00.
15. MOTORS. Only one drive motor per car. Only motors that meet the following specification to be used. (see scrutineer if unsure)
16. BATTERIES. Cells to be sub-C sized, 4 cell, 4.8v Nominal. Any capacity is allowed.
17. Mechanical or Electronic Speed Controllers may be used. Maximum RRP of £85.



18. All cars must have reverse fitted and working at the start of the race.
19. Body and chassis must be securely joined at the start of a race and must remain on car during the race. When initially entered at a meeting the bodyshell must be neatly finished and complete.
20. Bodies and aerofoils must be made from ABS or polycarbonate, (LEXAN). Metal bodies or aerofoils are not allowed. Front wings allowed.
21. ABS Bodies must have all four windows cut out, LEXAN bodies can have their windows uncut but must be left clear. The height of the body roof from the floor to be between 88mm and 126mm. Aerofoils if fitted must have no sharp edges and be mounted in a safe manner. The maximum size of the centre panel to be no more than 126mm126mm, and the side panels 126mm-70mm.
22. The roof must be painted down to the waistline of the body with the driver's grading colour if an aerofoil is not fitted. If an aerofoil (roof fin) is fitted, this alone may be painted with the driver's grading colour.
23. Driver's race number must be displayed on the exterior of the car. The drivers name must also be on the outside of the body or aerofoil.
24. Steel whip aerials and rollover masts are not allowed.
25. If you intend to alter your car in any way that is not covered by the rules, you must check with the class scrutineer for approval. We expect all drivers to use common sense when modifying cars and to enter into the spirit of the sport.
26. Racing is in an anti-clockwise direction only.
27. Contact is allowed, though no follow ins, striking stranded cars or roof shots. Anyone seen to be deliberately doing any of the above will be asked to remove their car from the track.
28. Wheels only dog drive wheels with notches (standard) to be used, with a maximum width of 26mm only . No LMP or GT12 style bolt wheels allowed. Only single bolt wheel and axle fittings allowed.
29. There must be a minimum distance of 23mm between the baseplate and the Top chassis, this distance must be maintained between the wheelbase of the car.
30. Race ready cars to race on track must have a minimum weight of 1200g, this will be measured before every race.
31. F2 stockcar wing, when a wing is fitted it should be central to the car, Not offset to one side of the car, with a visible gap between roof and wing.

