

2017

1:12th F2 Stock cars

F2 Construction and Racing rules.

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
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.
4. Front and rear bumpers must be fitted, and have a contact surface between 9mm and 16mm. The distance between the bumper centreline and the ground must be between 32mm and 41mm. All bumpers must be plugged and have no sharp edges and must be constructed from a non-metallic material.
5. Nerf bars must be fitted on the same level as the bumpers and attached to the chassis rails with a maximum contact surface of 12mm.
6. Over riders must be bolted 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.
7. The baseplate can be constructed from alloy, glass fibre or carbon sheet, and must not have splits or cuts for suspension.
8. Rear suspension to be of the pod type, with a single pivot at the front and simple spring arrangement. No oil filled shock absorbers.
9. 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.
10. Ball raced Axles are allowed front and rear.
11. There is a minimum ground clearance of 3mm, this includes any protruding screws, 1mm clearance for spur gear.
12. Tyres must be foam or rubber, Tyre additives are not allowed.
13. Tyres must have a minimum 12mm and maximum 26mm width, and maximum 60mm diameter.
14. 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 axle only.
15. The cost of the rolling car (excluding all radio ,batteries,Esc ,and motor) must not exceed £125.00. In the case of scratch built cars the entrant must be prepared to produce replicas of the car if so required for a price of £125.00 or less.
16. MOTORS. Only one drive motor per car. Only Mardave G2 2010 motors or SATURN 20 to be used. These must remain unopened and unmodified.
17. BATTERIES. Cells to be sub-C sized , 4 cell, 4.8v Nominal. Any capacity is allowed.
18. Mechanical or Electronic Speed Controllers may be used. Maximum RRP of £85.
19. All cars must have reverse fitted and working at the start of the race.
20. 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 body shell must be neatly finished and complete.
21. Bodies and aerofoils must be made from ABS or polycarbonate, (LEXAN). Metal bodies or aerofoils are not allowed.
22. ABS Bodies must have all four windows cut out, LEXAN bodies can have their windows un-cut 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 126mm-126mm, and the side panels 126mm-70mm.
23. 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.
24. Driver's national race number must be displayed on the exterior of the car. The drivers name must also be on the outside of the body.
25. Steel whip aerials and rollover masts are not allowed.
26. 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.
27. Racing is in an anti-clockwise direction only.

28. 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.