



## F2 OUTLAWS REGULATIONS

### THIS IS A CONTACT FORMULA

Cars that are purpose built, single seat, front engine, rear wheel drive and are of open wheel design, the following rules will apply:

- 1) **ENGINE:** Any single cam FORD engine up to 2000cc, engines may be modified or standard FORD Zetec\* engine (with no modifications) may be used. Carburettor to be Webber N32/36DGV or DGVA with no polishing, re-profiling or modifications to carburettor body.  
Engines to be mounted to the centre line of the chassis rails with bottom pulley near to dead centre as possible. A wheel guard should be fitted to the outside of the off-side rear wheel.
- 2) **CHASSIS:** The chassis MUST consist of a minimum of two longitudinal rails terminating at front and rear bumpers, minimum size of 40mm x 40mm x 3mm..
- 3) **BUMPERS:** These MUST be fitted front and rear and must extend to at least the centre of and no wider than the outside tyre tread. They must be a minimum of 100mm maximum 150mm in depth and no more than 30mm wide (on plan), and 18" max, minimum 16" from the ground to centre. Front bumper to have 10" high vertical on left hand side as viewed from front with brace across, to maximum sizes as sketch 1, a single rearward brace may also be added, back to the main chassis rails. Front bumper to have secondary fixing of 2 chains (Minimum chain link dia. 8mm) Side rails must be fitted between front and rear wheels, braced back to chassis, not extending outside the wheel line by more than 40mm and at the same height as bumpers, maximum size 30mm on plan.
- 4) **ROLL CAGE:** Shall have a minimum of two posts, mounted off chassis rails, minimum size 30mm x 30mm x 3mm box or tube, with horizontal side bars to leave a minimum gap of 24" high for entry/exit, minimum clear distance between side rails (across car) 30". Top of roll cage to have 3mm reinforcing plate above and clear of drivers head.
- 5) **BODY:** Must protect driver and incorporate 24" minimum high gap for entry/exit, a full metal firewall must be fitted between driver and engine and /or fuel tank, 3" square holes to be left in outside of bodywork by petrol tank and carburettors for fire fighting access. A minimum 3mm thick floor pan must be fitted to cover moving parts, i.e. prop shaft.  
Front axle should be no wider than a standard Cortina cradle, with the maximum 6 J wheels fitted. Rear axle should be no wider than a standard Cortina axle with a maximum of 10" wide wheels fitted.  
All axles should be in standard form with no wheel spacers.
- 6) **TYRES:** Must be either:
  - a) Spedeworth Hoosier HSPRT 24.0 x 60 x 13.
  - b) HiFly HF201 185/70R13
  - c) YOKOHAMA 185/70 x 13 A021/RK12131. No tyre softener to be used.
  - d) Nankang 185/70 r13 na-1Any of the above can be used, but must be the same on any one axel.
- 7) **SEAT:** Must be of metal construction and secured to the chassis on the centre line of the car, a head rest must be incorporated in the seat or fixed to the roll-cage. A 3mm steel plate minimum of 125mm must be fitted under seat between chassis rails. Seat belt must have a minimum of 4 straps, quick release, attached to chassis at 4 separate points by bolts minimum 3" diameter.
- 8) **FUEL TANK:** Maximum capacity 10 litres of steel construction, fitted and secured within the chassis, having a secure filler cap and fitted with a non return valve (metal). Fuel pipes to be of metal and incorporate a clearly marked shut off tap within easy reach of the driver/marshal.
- 9) **BATTERIES:** Must be securely fixed to the chassis and covered to protect the driver from acid spillage. A clearly marked cut/off switch which isolates ignition and/or electrical fuel pump must be fitted on the earth circuit within easy reach of the driver or marshal. Electronic distributors may be used.

- 10) **WEIGHT:** Cars should be between 600 kgs and 700 kgs in race trim with full fuel tank.
- 11) **BRAKES:** Must be effective and capable of locking 3 wheels. Calipers should be of ferrous metal construction.
- 12) **FIRE EXTINGUISHERS:** Must be minimum 1kg, dry powder or BCF type with dial to indicate condition in working order. Must be clipped in place within reach and easily removable by driver.
- 13) **IDENTIFICATION: Aerofoil must be painted in drivers graded colour.** Racing number to be displayed in 9" high and 1" wide, i.e. BLACK NUMBERS ON A WHITE BACKGROUND, readable from both sides either on roof fin or on aerofoil. Drivers name is to be displayed on spectator side of the vehicle. Drivers name must also be fitted on a sun visor to be read easily.  
A mesh windscreen must be fitted, maximum 40mm matrix.
- 14) **AEROFOILS:** Roof aerofoils must not exceed 42" x 42" on plan x18" deep and must be securely fixed onto the centre line of the roof and clear of roof by 6" minimum. Aerofoils must not be mounted so as to impede entry/exit from the vehicle.
- 15) **SILENCER:** Only permitted silencer is the one supplied by Grimley Raceway.  
Visiting drivers will have a static noise test to ensure their vehicle complies with ORC silencer specifications, must NOT exceed 96db.
- 16) **HELMETS:** Helmets conforming to at least one of the permitted standards detailed below MUST be worn. Helmets MUST meet or exceed the MINIMUM standard as directed by the ORCi (previously undertaken by BORSE). The current permitted helmet standards for all drivers are:
  - FIA 8860-2010 • FIA 8859-2015 • FIA 8860-2018 • FIA 8860-2018 ABP • Snell SA2010 • Snell SAH2010
  - Snell SA2015 • Snell EA2016 • Snell SA2020 • SFI Foundation 31.1A • SFI Foundation 31.2A
  - SFI Foundation 31.1 • ECE R22.05 • ECE R22.06The following helmet standards are permitted for Junior drivers only in addition to those above:
  - Snell CMR 2007 • Snell CMS 2007 • Snell CMR 2016 • Snell CMS 2016 • SFI 24.1The helmet MUST fit the driver correctly, referencing the manufacturer's sizing/fitting guidelines. Goggles and visors must be shatterproof.
- 17) **CLOTHING:** Flame resistant race-suit/overall MUST be worn. Flame resistant race-suits/overalls MUST be manufactured from Proban®, or material of a higher specification, e.g. Nomex®. Flame resistant race-suits/overalls MUST be clearly marked with the relevant SFI, FIA or equivalent standard, or the manufacturer's statement of protection. Race-suits/overalls MUST be maintained in a clean and tidy condition.  
Race-suits/overalls manufactured/certified to Karting standards, including, but not limited to, the CIK-FIA Level 1 or Level 2 standards, are NOT permitted as they do NOT provide the appropriate level of heat/flame protection. Flame resistant gloves MUST be worn. Flame resistant gloves MUST be clearly marked with the relevant SFI, FIA or equivalent standard, or the manufacturer's statement of protection.
- 18) **BALACLAVAS:** A flame resistant balaclava MUST be worn.  
Flame resistant balaclavas MUST be clearly marked with the relevant SFI, FIA or equivalent standard, or the manufacturer's statement of protection.
- 19) **UNDERGARMENTS:** Flame resistant socks and undergarments provide a high degree of additional protection and are highly recommended to all competitors.
- 20) **WET-WEATHER PROTECTION:** The wearing of wet-weather protective clothing is permitted.  
Any wet-weather clothing must be worn in ADDITION to, and OUTSIDE of, the required flame resistant race-suit/overall and other mandatory items specified above.
- 21) **HEAD/NECK PROTECTION:** All Junior Formulas The use of an FHR device or neck-brace MUST be worn.  
All Adult Formulas The use of an FHR device or neck-brace is permitted If a neck-brace is used, it MUST be of the complete-circle type, i.e. it must form a complete circle around the driver's neck with no gaps.  
The use of "U" shaped, or "horseshoe" neck-braces is NOT permitted.
- 22) **SAFETY HARNESS:** A full safety harness MUST be used. The harness must comprise of a minimum of 2 shoulder straps and 2 lap straps in a minimum of 4 point design.
- 23) **RACE RECEIVERS:** A race receiver is an important piece of safety equipment like your helmet and overalls and it will be compulsory for drivers to have a working race receiver during a race – failure to have one will see you not being allowed to race.
- 24) **Intentional contact must be bumper to bumper only, fencing is not permitted.**