

### Classic F1 2023

Class for Formula One cars which were eligible for, or competed in races from 1970 to the Mid 1980's.

Only Johnson 111 motors may be used.

Any open wheeled 1/32nd Grand Prix / Formula 1 Slot car from any Manufacturer may be used.

Hard bodied plastic slot cars only. (no Vac forms or Lexans)

Slot cars with metal chassis construction are not eligible to compete. Chassis made from "plasticard" are not eligible to compete. Scratchbuilt cars must use an original plastic chassis. Ideally scratchbuilt cars and bodies should be modified from standard Slot cars.

Motors must remain standard and unmodified. Motors may be stripped to allow cleaning and truing of the comm, but balancing of the arm, re-winding (inc. de-winding) of the arm is not permitted. Free choice of motor brush and spring, but no modification to the motor is permissible to allow fitment.

Front Hubs must be original items, or replaced by PCS Classic 1/32 Scale Alloy Wheels Ref: PCS-32131108 from Pendle Slot Racing. Front tyres must be from the original manufacturer or PCS Scalextric replica F1/Saloon small slicks 16.5x10mm F22 PCS-32138T from Pendle Slot Racing. Wheel/Tyre/Insert set PCS-3213A from Pendle Slot Racing is permitted. Front tyres may be trued and varnished.

Axles are Free choice, with axle tubing permitted.

Rear Hubs must be original items, or replaced by PCS Scalextric Replica F1/Saloon Large Alloy Wheels Pendle Slot Racing Ref: PCS-32141213.

Gearing must be standard.

Any bearings may be used.

Control tyres used are as supplied/specified by the club.

Tyre additives may be used, but tyres must be dry to the touch before racing, and leave no residue on the track. **FLBT does not encourage the use of additives on tyres.**

**The use of fluids (used for cleaning, oiling, treatments and general car preparation) is not permitted within the Church Hall with the exception of a small bottle of oil and a small pot of grease, solely for the use of lubrication of bearings and gears. Tyres are only to be cleaned with an adhesive tape.**

Tyres may be glued and trued.

Guide, braids and motor wiring is free choice.

Guide and guide location may be modified to allow cars to sit closer to the track.

Weight may be added.

Maximum width of the car at any point is 74mm.

#### Update Record:

Change to year 2023.

Inclusion of front alloy hubs. Amendment to ref number for rear PCS hubs.

### Davidstow 2023

Davidstow is a sub class of Libra F1. It is open to open wheeled and open cockpit cars from the postwar up to 1960, effectively 1945 to 1959. Cars maybe commercially available, or made from kits, parts a mixture of all. 'Ready to Run' cars are readily available from most mainstream manufacturers such as Scalextric and Carrera. Small volume manufacturers like Cartrix do a wide range of cars. Many resin kits are available from the likes of Penelope Pitlane, George Turner, OCAR as are a multitude of metal and plastic chassis.

Libra F1 and Davidstow classes will qualify together, with the classes split during the Finals. Racers are not permitted to swap between Libra F1 and Davidstow classes in a race evening. A minimum entry for either class is 3 entrants, with those wish to continue racing (<3) in the class scoring half points. Hard bodies only, can be made of plastic, wood or resin but strictly no vacuum formed ones.

Must be in a scale livery/colour scheme.

Chassis can be made of plastic, resin, metal or indeed wood.

Any size/type of motor in any configuration can be used.

Wheels and tyres to be of reasonably scale size and appearance. All tyres and hubs are free choice, and may be glued and trued. Front and rear tyres/hubs must be in keeping with the time period of the car. Eg no fat 1970 slicks on a pre-war car. All 4 wheels must be present and must touch the track.

Gears, axles and bearings are of Free choice.

Maximum width of the car is 58mm overall.

Braids and motor wiring is free choice. Standard commercial grade, of any manufacturer, is to be used. This must not be visible from directly above the car.

Tyre additives may be used, but tyres must be dry to the touch before racing, and leave no residue on the track. **FLBT does not encourage the use of additives on tyres.**

**The use of fluids (used for cleaning, oiling, treatments and general car preparation) is not permitted within the Church Hall with the exception of a small bottle of oil and a small pot of grease, solely for the use of lubrication of bearings and gears. Tyres are only to be cleaned with an adhesive tape.**

Weight may be added. This must be mounted so that if it becomes detached it stays in the car (Not under it!).

### **Formula Libra F1 2023**

Class for Open wheel, Open cockpit cars raced until present.

Cars raced as part of the FLBT Classic F1 series may also race in Libra F1.

Any open wheeled/ Open cockpit 1/32nd Grand Prix / Formula 1 / IndyCar Slot car from any commercially available manufacturer.

Resin bodied cars may also be used, but must use a retro chassis or chassis from a commercially available manufacturer.

No laser cut steel chassis are permissible. Photo etched retro Brass chassis (eg Penelope Pitstop) up-to a maximum width of 30mm may be used on pre 1972 resin bodied cars. Side pans are not permitted. 3D printed chassis and parts are permissible.

Cars and all its parts should remain as stock and unmodified (except where exempted – see below). Replacement parts should, where available be like for like and of a similar material.

Motors are free choice upto 21.5k and 25K for slimlines, and must remain, sealed and unmodified.

All tyres and hubs are free choice, and may be glued and trued. Front and rear tyres/hubs must be in keeping with the time period of the car. Eg no fat 1970 slicks on a pre-war car. All 4 wheels must be present and must touch the track.

Guide, braids and motor wiring is free choice.

Tyre additives may be used, but tyres must be dry to the touch before racing, and leave no residue on the track. **FLBT does not encourage the use of additives on tyres.**

**The use of fluids (used for cleaning, oiling, treatments and general car preparation) is not permitted within the Church Hall with the exception of a small bottle of oil and a small pot of grease, solely for the use of lubrication of bearings and gears. Tyres are only to be cleaned with an adhesive tape.**

Weight may be added.

Maximum width of the car at any point is 74mm.

All parts must be from a commercially available source, and open to all. Home-made and one off components should not be used.

#### Update Record:

Change to year 2022

Add tyre / fluids guidance

Remove: Axle and gearing must be stock configuration from Libra.

Change to year 2023