



Rules & Guidelines

(Scratch32 Rules & Guidelines – v4.0 – July, 2018)
Changes from v3.0 to v4.0 are in red.

General Rules (Apply to All Scratch32 Classes)

BODIES & INTERIOR TRAYS

G1. No lexan or other 'clear' bodies are permitted. No lexan or other 'clear' interior trays are permitted.

G2. Period fantasy liveries are permitted but not for the following special events:

- a. La Carrera Panamericana; or
- b. Targa Florio.

NOTE: Period fantasy liveries are permitted in the following special events: Ringwood, Internationale Meisterschaft, CANAM Thunder & The Classic Era Challenge.

TIRES

G3. All rear tires must be DArt compound urethane replacements (marked or unmarked).

G4. Front tires may be an untreated rubber based suitable alternative from a ready to run model or a DArt replacement (marked or unmarked) tire. No silicone, Zero Grips or any other compounds (whether urethane or not) are permitted. Tires must not be hard or cracked. Any tire that appears shiny is presumed to be coated and/or hard and is not permitted.

G5. Tires must not be coated or treated with any substance and may only be cleaned with water or saliva. The use of tape or any other 'sticky' adhesive to clean a tire is also not permitted.

G6. Both front tires must touch the track and be seen to rotate as the car circulates the track.

MOTORS

G7. Where motor choice is restricted original motor wrappers or markings must remain intact and motors may not be opened, tampered with or altered in any manner whatsoever except that motor shafts may be cut or trimmed to any desired length.

G8. The following 'slow' motors are eligible for any 'slow' motor class unless otherwise specified for that class:

- a. Vanski FF050;
- b. BWMS050;
- c. Ninco NC1; and
- d. BWNC1;

G9. Where motor choice is restricted to a particular brand/type which has no marking to identify it then should that motor perform in a manner which is not characteristic then there will be a presumption that the motor in question is not the same and therefore ineligible.

ANY ADHESIVE

G10. Any adhesive may be used to secure any component in any manner provided it never contacts the track surface.

BRAID

G11. Only stock braid or suitable slot car replacement braid from a slot car manufacturer (such as Slot.It, NSR, SCX, etc.) or reputable slot car parts dealer (Slot Car Corner, Professor Motor, Mr. Slotcar, etc.) is permitted. Braid may be untreated copper or tinned copper. Any braid or wick not sold by a slot car manufacturer or parts dealer is not permitted. Any braid which is coated with or has within its strands any foreign substance whatsoever is not permitted.

G12. Braid may only be cleaned/treated with Ronsonol lighter fluid and may only be dispensed from the original marked container. Any other substances, **sanding materials, polishing compounds, treatments, juices, oils, etc. (including Inox) are NOT permitted. Our tracks are well maintained and use highly conductive copper tape so there is no need to resort to anything else that *might* adversely impact the performance of any model.**

MAXIMUM WIDTH OF MODELS

G13. In all full bodied classes (with the exception of Hot Rods) tires must be covered by the body or fenders when viewed from above. Bodies, including fender flares, must not exceed a maximum width where specified.

G14. **Unless otherwise noted**, for all open wheel classes maximum permitted widths for rotating assemblies are measured from the outside edges of the tire/sidewall/wheel/insert (whichever extends furthest from the centre line of the chassis). Bodies (or their parts) must not exceed maximum widths (except for 50's GP – bodies (or their parts) may extend beyond the maximum permitted widths for rotating assemblies, within reason). In all open wheel classes maximum dimensions apply to both front and rear rotating assemblies unless otherwise noted.

MAXIMUM TIRE DIMENSIONS

G15. Unless otherwise specified for any class the dimensions for replacement DArt tires represent maximums (both mounted diameter and width of tire). Tires may be trued and profiled to smaller sizes provided they maintain a period look.

MAXIMUM WHEEL WIDTH DIMENSIONS

G16. Unless otherwise specified for any class the dimensions for wheels represent maximum **diameters and widths**. **Unless otherwise specified for a class wheels that are smaller in diameter may be used provided they maintain a period look**. Narrower wheels may be used provided they maintain a period look;

G17. **Wheel diameter is measured across the wheel from flange to flange and does not include any rib or recess that is concealed by the tire. In other words it is the overall diameter of the visible portion of the wheel itself;**

G18. **Wheel width is measured from the outer flange to the inner flange and does not include the boss. In other words it is the overall width of the wheel that comes into contact with the tire;**

CLEARANCE

G19. **In classes where there are no specific clearance rules** ~~Although there is no specific clearance rule,~~ any car dragging gears, body mount screws or any other parts at any time (potentially damaging the track) must be removed from the track.

KEEPING THE TRACK CLEAN

G20. Excluding tire dust, under no circumstance shall a car drip, ooze, leak or otherwise leave on the track or tape surface or on the underside of its own chassis any substance whatsoever, including any substance permitted for use on tires or braid. All braid and tires must be 'dry' before being placed on the track. Cars caked with debris or tire dust or whose underside is covered in oil or any other substance are not be permitted on the track at any time.

UNANTICIPATED ISSUES

G21. Should an issue arise that is not addressed adequately within these rules & guidelines then the host after seeking a general consensus will make appropriate additions or revisions within these rules & guidelines to resolve such.

Controllers

C1. Participants must use their own controllers.

C2. Controller choice is open, but, it may not have an external power source (battery) or internal circuitry for the purpose of adding additional voltage to the lane.

PGP & PGP+ – Pre World War II Grand Prix (1900-1939)

PGP1. **Eligible Models:** Any model that competed in a state or club sanctioned road, rally or endurance race or Grand Prix anywhere in the world before 1939. Later models with low streamlined bodies will comprise the PGP+ sub-class with no minimum clearance;

PGP2. **BWMS050** 'low power' motor in an inline configuration;

PGP3. **Wheels** – must not exceed 16.5mm in diameter x 5.5mm in width. Inserts or wheel detail must be period correct and resemble original car;

PGP4. **Maximum Overall Tire Diameter** – Front and rear tires must not exceed 23mm in diameter. DArt SC0210 tires are *highly recommended* but not mandatory;

PGP5. **Minimum Clearance:**

a. **PGP** But for the guide/guide sleeve/tube, wheels/tires & crown gear no part of the chassis, chassis components or body may be less than 5mm above the surface of the track; or

b. **PGP+** There is no minimum clearance requirement but for G19;

PGP6. **Maximum Width/Track** - The width of front and rear rolling assemblies may not exceed

a. **PGP** 54mm; or

b. PGP+ 50.8mm;
in width excluding fenders, inserts, nuts or knock offs which may extend beyond – within reason.

50GP - 1950's Grand Prix (1950-1960)

- 50GP1. Eligible Models: Any provided the model represents a Grand Prix car which competed between 1950 and 1960, typically with engines in front of the driver;
- 50GP2. 'Slow' motors only (as per G8);
- 50GP3. Wheels - must be ~~scale 15 inches (not to exceed 14mm)~~ **not exceed 14mm in diameter** x 6mm **in width** ~~wide wheels~~. Inserts or wheel detail must be period correct and resemble original car; and
- 50GP4. Overall maximum width of 50.8mm (~~2 inches~~);

1.5LGP – 1.5L Grand Prix (1960-1965)

- 1.5LGP1. Eligible Models: Any provided the model represents a Grand Prix car which competed between 1960 and 1965. Cars produced in or prior to 1962 constitute Group 1 cars and cars produced thereafter constitute Group 2 cars;
- 1.5LGP2. 'Slow' FF050 (slim can) motors only (as per G8 a. & b.);
- 1.5LGP3. Wheels - must be ~~scale 13 inches or 15 inches (not to exceed 14mm)~~ **not exceed 14mm in diameter**. Inserts or wheel detail must be period correct and resemble original car. Group 1 wheels must be no more than 6mm wide. Group 2 wheels must be no more than 7mm wide; and
- 1.5LGP4. Overall maximum width of 50.8mm (~~2 inches~~);

3LGP - 3.0L Grand Prix (1966-1969)

- 3LGP1. Eligible Models: Any provided the model represents a 3.0L Grand Prix car which competed from 1966 through 1969;
- 3LGP2. Scalextric FF050 as provided in current releases of Scalextric brand cars;
- 3LGP3. Wheels - must be ~~scale 13 inches or 15 inches (not to exceed 14mm)~~ **not exceed 14mm in diameter**. Inserts or wheel detail must be period correct and resemble original car;
- 3LGP4. Tires - Rear maximum width of 12mm and Front maximum width of 9.5mm; and
- 3LGP5. Maximum overall width is 60mm;

70GP - 70's Grand Prix (1970 – 1980)

- 70GP1. Eligible Models: Any provided the model represents a Grand Prix car which competed from 1970 through 1980;
- 70GP2. Scalextric FF050 or Fly / Flyslot FF050 as provided in current releases by these brand manufacturers;
- 70GP3. Wheels - must be ~~scale or 13 inches (not to exceed 12mm)~~ **not exceed 12.4mm in diameter**. Inserts or wheel detail must be period correct and resemble original car;
- 70GP4. Tires - Rear maximum width of 16mm and Front maximum width of 9.5mm; and
- 70GP5. Maximum overall width is 68.5mm;

HR - Hot Rod Class

- HR1. Eligible Models: Any model with or without fenders;
- HR2. Inline chassis configuration;
- HR3. BWMS050;
- HR4. Wheels - must be ~~no smaller than scale 15 inches (not to exceed 14mm)~~ **not exceed 14mm in diameter** with a maximum width of 6mm. Inserts or wheel detail must be period appropriate;
- HR5. ~~Tires - DArt SC0120~~ **DArt SC0120 tires are highly recommended but not mandatory**;
- HR6. Maximum overall width of front and rear rolling assemblies is 50.8mm (~~2 inches~~) but bodies/fenders may be wider; and
- HR7. Every car requires at least one racing number which may be painted or otherwise fixed on the windshield.

SP & SP+ - Sportscar Class

- SP1. Eligible Models: Any production or prototype sportscar or sedan (up to five seats) that competed between 1950 and 1965 in any endurance race which was:
- either part of the World Sportscar Championship or International Championship sanctioned by the FIA (1953-1965); or
 - in any endurance race lasting at least 6 hours (1000k) or longer prior to 1953 (1950 – 1952);
- SP2. Motors:
- SP 'Slow' motors ~~represent the target class of motors although any motor may be used~~ only (as per G8);
 - SP+ Any motor without restriction;
- SP3. Wheels - ~~must be no larger than scale 15 inches (not to exceed 14mm)~~ not exceed 14mm in diameter. Inserts or wheel detail must be period appropriate; and
- SP4. Maximum overall width of body not to exceed 57mm (~~2.25 inches~~).

CP – Classic Era Sportscar & Prototype Class

- CSP1. Eligible Models: Any Sportscar (S) or Prototype (P) class car that competed between 1966 and 1971 in any endurance race which was part of the World Sportscar Championship or International Championship sanctioned by the FIA. S 5.0L and 2.0L cars and P 3.0L and 2.0L class entries are strongly encouraged; and
- CSP2. Wheels – rear wheels must be no smaller than ~~scale 15 inches (14mm)~~ 14mm in diameter (front wheels may be smaller). Inserts or wheel detail must be period appropriate.

CA - CAN AM Class

- CA1. Eligible Models: Any provided the model represents a Can Am car which ran at two sanctioned CAN AM races at different tracks in any year between 1966 through 1974. Coupes are excluded;
- CA2. Wheels – rear wheels must be no smaller than ~~scale 15 inches (14mm)~~ 14mm in diameter (front wheels may be smaller). Inserts or wheel detail must be period correct and resemble original car.

Thank You!

A special thank you to all Scratch32 participants for their help in putting together these rules. - Art

(End Scratch32 Rules & Regulations – v4 – July, 2018)