



# Rockingham

## SCALEXTRIC Club

### BRM & TTS 1/24<sup>th</sup> MINI CARS CHAMPIONSHIP

• Only the following cars will be eligible to race: -

BRM 1/24 And TTS 1/24

NSU TT, Renault R8 Gordini, Mini Cooper, Fiat Abarth 1000TCR, Simca 1000, Autobiacchi 112 Abarth, Ford Escort Mk1, Alfa Romeo GTA, Opel Kadett GTE, BMW2002Ti, Ford Capri, VW Scirocco

If you think any car should be added to or removed from this list please let us know.

Once a class has been selected for a mini-series no alterations can be made to the rules for that class until after the conclusion of the mini-series.

### TECHNICAL REGULATIONS

#### 1. Motors & Motor Mounts

- All eligible cars must use the original motor BRM-blue 19.000rpm - BRM s-417
- Motors must be fitted using the original motor mount BRM s-413 + photoetch.
- Motors and/or motor mounts may be glued into place if desired.

#### 2. Gears

- Nylon Pinion 12T BRM s-420 diameter 6.8mm or Nylon Pinion 11T BRM s-420S diameter 6.4mm
- Original spur gear 33T BRM s-419 or Ergal BRM s-419a 33T.
- Pinions may be glued to motor shafts and crown gears may be glued to axles.

#### 3. Wheels

- Any wheels fitted as original equipment by the manufacturer to the model must be used:

MODEL	FRONT WHEELS	REAR WHEELS	∅
Mini Cooper	s-402m / 402 mc	s-402m / 402 mc	16,8 mm / 13,7 mm
Simca 1000	s-402 / 402s	s-402 / 402s	17,0 mm
NSU TT	s-402	s-402	17,0 mm
Abarth 1000 TCR	s-402f	s-402fr	15,5 mm
Renault Gordini r8	s-402	s-402	17,0 mm
A112 Abarth	s-402s / 402 mc	s-402s / 402 mc	17,0 mm / 13,7 mm
Opel Kadett GTE	s-402kf	s-402kr	16,7 ant. - 17,3 post.
Escort MK I	s-402kf	s-402kr	16,7 ant. - 17,3 post.
Alfa GTA	s-402kf	s-402kr	16,7 ant. - 17,3 post.
BMW 2002	s-402kf	s-402kr	16,7 ant. - 17,3 post.

- b. All wheels must be of a style that represents a real wheel as used on the real car or have suitable inserts fitted.
- c. Wheels may be glued to axles if desired.

#### **4. Tyres**

- a. Original items as supplied
  - BRM s-404 (MINICARS),
  - BRM s-404k (GROUP 2)
  - BRM s-404M (Mini Cooper - A112 with wheels S-402MC)
- b. Tyre treads must not protrude outside the car bodywork when viewed from above.
- c. Front axles must have any side-to-side movement restricted to comply with Rule 4b.
- d. Tyres may be glued onto the wheels, and may be sanded true.
- e. Front tyres may be coated with nail varnish, super glue or similar.
- f. Any tyre dressing/cleaner used must not leave a residue on the tyres or track.

#### **5. Rear Axles**

- a. Rear axles can be original items or replaced with plain solid steel of uniform diameter (i.e. not hollow, or titanium or carbon) and must not extend beyond the outer face of any wheel.
- b. Any free ball bearings or BRM S-410 may be fitted and may be glued into place.
- c. Spacers and stoppers are free choice.

#### **6. Front Axles**

- a. Front axles must be plain solid steel of uniform diameter and must not extend beyond the outer face of any wheel.  
See also Rules 4c and 4d.
- b. Only original front axle bearings may be fitted and may be glued into place.
- c. Spacers and stoppers are free choice.

#### **7. Slot Guide**

- a. All cars must be fitted with original guide BRM s-026ss
- b. It's allowed remove the spring and reduce the height of the blade.
- c. Guide to motor wires, pick up braids, guide spacers and washers are free choice.

#### **8. Lights etc.**

- a. must retain all external lenses.

#### **9. Ballast**

- a. Ballast weight may be added to any car as desired, provided that it is placed within the confines of the body and chassis and is firmly glued in place.
- b. Traction magnets must be removed.

#### **10. Body and Chassis**

- a. Bodies and chassis must be used complete and unmodified except as detailed below.
- b. Bodies may be repainted provided that doing so does not distort the body.
- c. White body kits must be fully painted.
- d. All cars must have a realistic colour scheme

- e. The interior must be complete and may be glued in place.
- f. Windscreen and window mouldings must be retained as original, except that any centre section of clear plastic under the roof may be removed.
- g. Wheel arches may not be enlarged in any way, but moulding flash may be cleaned off.
- h. Rear view mirrors may be omitted but all other detail parts must remain fitted.
- i. Each model must have his own specific chassis (internal/external).
- j. The 2 chassis must be fixed using the brass BRM nuts original s-415 (h 1.5 mm) or s-415a (1.0 mm no movement), s-415b (h 2.0 mm), s-415c (h 2.5 mm) o s-415d (h 3.0 mm).
- k. The rear plastic part of the chassis must be assembled (except Mini Cooper)
- l. Chassis ride height may not be lowered in any way.
- m. Minor scraping or sanding of the body sides and/or chassis edges is permitted to allow the body to move freely on the chassis.
  - This includes removal of any internal pegs etc. that rest on the motor, axle bearings or chassis sides.
  - Removal of other parts of the body or chassis for this purpose is not permitted.
- n. Body fixing screws are free choice and may be left loose.
- o. Adhesive tape or 'blue tack' must be placed over the body fixing screw holes to prevent screws from falling out.

### 11. Ground Clearance

- a. There is no minimum ground clearance rule but at no time may the body, chassis, motor or gears touch the track surface in normal use.
- b. **When the car, race ready, is placed on a slotted, flat surface, all 4 tyres must touch the surface and all 4 wheels must rotate when it is pushed forward.**

### 12. Overall Weight

- a. The total weight of the complete car must be a minimum of 79.0g.

### 13. Finally...

If the rules do not expressly say that you can do something then you cannot do it.

### Index to amendments

Issue No	Date	Amendment
1	5/5/2022	First draft.