

UK HO PROXY DRAG RACING 2022

v1.2 March 2022



PROXY



EVENTS-DATES-FORMAT-REGULATIONS

UK HO PROXY DRAG RACING 2022



Welcome to the new format of racing at the Rock County Eighth Mile - four events a year, each with a different theme.

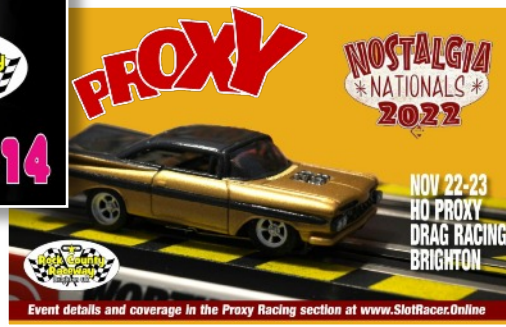


Starting with the UK Spring Speed Nationals in March, we'll expand the types of cars eligible to race - but keep the Micro Scalextric Street Stock class at the core of each event.

These events are proxy events - cars are sent to the track in Brighton, UK for the race master to race. Event coverage is at SlotRacer Online.

In this brochure you can find:

- Info about the Rock County Eighth Mile
- Rock County racing format
- How to enter
- 2022 dates and classes
- 2022 class regulations
- HO Drag Racing Glossary



 **SlotRacer**
O N L I N E

THE ROCK COUNTY EIGHTH MILE



The Rock County Eighth Mile strip is only an eighth mile in true HO scale - 1:87. In 1:64 scale, it's more like 1/12 of a mile. The timed section is seven feet (84 inches long). There's a short staging area and a 20-inch shutdown with dynamic braking and a foam catch box. The road surface is the latest (2019) Micro Scalextric track system, with timing via Track Mate Drag Basic. Cars are launched manually, a relay switch powering both lanes simultaneously with a regulated 12 volts and 8 amps.

Start Line Sensors

Staging Area



Shutdown & dynamic braking

Finish Line Sensors

Deadstrip

Using the new Micro Scalextric track gives a smooth surface and excellent electrical connectivity. The lane spacing also allows us to run the slightly wider Micro Scalextric cars. The flat rails does mean all cars need to be fitted with braids, but that's pretty much *de rigueur* in HO drag racing these days.

When you look at modern drag strips, the Rock County doesn't have the panache or the size of a national NHRA quarter mile. Instead, the Eighth Mile is more reminiscent of the small unsanctioned 'outlaw' tracks, particularly common across the East and Southeast of the United States in the 1960s and 70s. Many of these were quite narrow and the racing lengths were often shortened to an eighth mile. Even so, many featured big-name Super Stock and Funny Car match racing.



Drag strips with close side-by-side racing were not unusual at outlaw venues such as the Harriman Drag Strip in Tennessee



ROCK COUNTY RACING FORMAT



Apart from match racing and exhibitions, all the classes run to a standard qualification and 'ladder' elimination format.

Qualifying

This is a time trial competition with each

car making three passes - at least one in each lane. Only the best ET for each car counts toward the final qualifying score. Cars are ranked in their class with fastest ET first and slowest time last.

The tie-breaker for cars sharing equal fastest times is their second fastest ET during qualifying. If those are equal it goes down to the third qualifying time.

Elimination rounds

All qualified cars are matched up on the 'ladder'. We've borrowed the FIA 'Pro' ladder that is used in European drag racing competitions. Any number from 3 to 64 cars can be accommodated in this format, with the fastest car from qualifying usually lining up against the slowest.

In each elimination round, one car wins and the other loses. The winner goes on to the next round and the loser is eliminated.

The result is decided by the first car to break the finish line sensors - unless one or both cars false start. The winner usually records the fastest ET, but a faster reaction time can give a slower car the holeshot win.

A dead heat over the line means a re-run. As Drag Basic only measures to a thousandth of a second, this does happen from time to time.

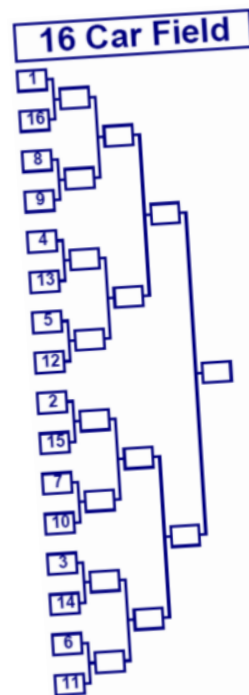
Match Racing

These are competitive crowd-pleasers. Cars are usually matched by the race master - but two owners can request a showdown. The winner of each round is the first past the finish line. The winner of the match is the first to win two rounds.

The cars swap lanes after round 1, with lanes for a round 3 race decided by a coin toss.

Exhibition runs

If you have a car to show off that doesn't fit in any classes, then an exhibition run is a perfect way to entertain the crowd. No times will be recorded, but photos will be included in the event report at SlotRacer Online.



HOW TO ENTER A RACE

Each event will have its own dedicated thread on the SlotRacer Online 'Proxy Racing' forum. The thread will explain what classes are running and give a link to the car-building rules and racing format. The thread is also a place for questions and discussion - and is where the almost-live report of the event takes place, including words, pictures, video clips and lots of stats.

- How to enter: You will need to create a free account at SlotRacer Online. Add a reply on the event thread or send a private message to 'woodcote' - the race master. One car per class may be entered per person. Family members and friends are very welcome to enter too. You will be sent a message with the address to send cars to.
- Cost: You will need to refund the race master for return postage. Otherwise there is no race fee. If you prefer a service other than standard first class Royal Mail delivery, just ask.
- Sending cars: Aim for your cars to arrive in Brighton at least 72 hours before the first day of the event, so they can be registered for qualifying. Please send a package that can be posted in a parcel box - a maximum size of 44cm x 35cm x 16cm.
- You may - of course - send cars for several races or the full year - just let the race master know.
- Overseas entrants must talk to the race master about customs forms on their parcels. The recipient will normally be charged 20% of the stated value of the parcel, plus an £8 handling fee. As cars sent to these races are not commercial goods, you will need to alert UK customs to this fact and avoid the fees.
- Remember, these events are proxy events. Cars are sent to the track in Brighton, UK for the race master to race on the Rock County Eighth Mile. The track is located within a home which is smoke-free, but does contain a cat...



Creating an account for the SlotRacer forum is free and relatively straightforward. Go to <https://slotracer.online/community/index.php> and hit the 'Register' icon on the left.



UK HO PROXY DRAG RACING 2022



12-13 March “Spring Speed Nationals”

Featuring all the classes we ran in 2021:

- Micro Scalextric Street Stock
- Micro Scalextric Super Stock 6.0
- Micro Scalextric 2019 - Nostalgia bodies
- NHRA 4-Gear Funny Car, Pro Stock & Pro Mod
- NHRA Top Fuel
- Nostalgia 4-Gear - Funny Car bodies
- Nostalgia T-Jet
- Nostalgia X-Traction / Magnatraction - Pro Stock bodies
- Match racing & exhibitions welcome



14-15 June “The Inline Show”

Featuring inline classes and match-racing:

- Micro Scalextric Street Stock
- Micro Scalextric 2019 - Nostalgia or street bodies
- Can Motor Super Stock 6.0 (new class)
- Ceramic Inline 6.0 - Tyco 440 & Life Like M (new class)
- In-line match racing & exhibitions welcome

Tuesday: Qualifying (all classes) + Micro Scalextric Street Stock race

Wednesday: all other classes.

UK HO PROXY DRAG RACING 2022



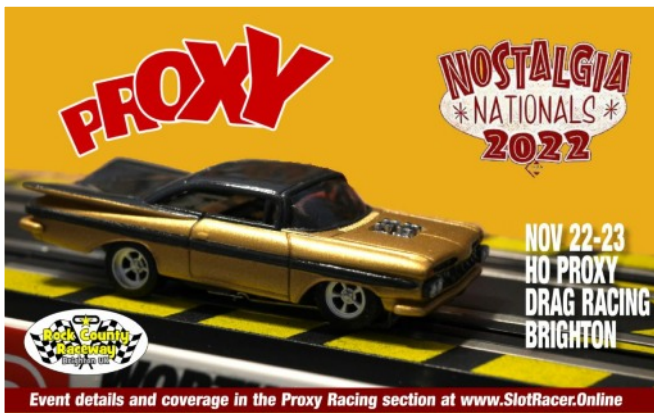
13-14 September "Pancake Power!"

Featuring pancake classes and match-racing:

- Micro Scalextric Street Stock
- NHRA Top Fuel
- 4-Gear - NHRA or Nostalgia bodies
- T-Jet - Nostalgia or modern bodies
- X-Traction / Magnatraction - Nostalgia or modern bodies
- Pancake match racing & exhibitions welcome

Tuesday: Qualifying (all classes) + Micro Scalextric Street Stock race

Wednesday: all other classes.



22-23 November "Nostalgia Nationals"

Featuring inline classes and match-racing:

- Micro Scalextric Street Stock
- Nostalgia Micro Scalextric 2019
- Nostalgia 4-Gear - Funny Car bodies
- Nostalgia T-Jet
- Nostalgia X-Traction / Magnatraction - Pro Stock bodies
- Nostalgia match racing & exhibitions welcome

Tuesday: Qualifying (all classes) + Micro Scalextric Street Stock race

Wednesday: all other classes.

STREET STOCK RULES 2022

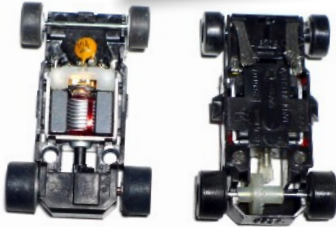
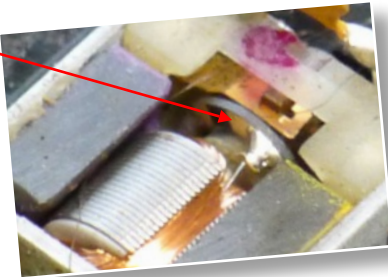


MICROSCALEXTRIC

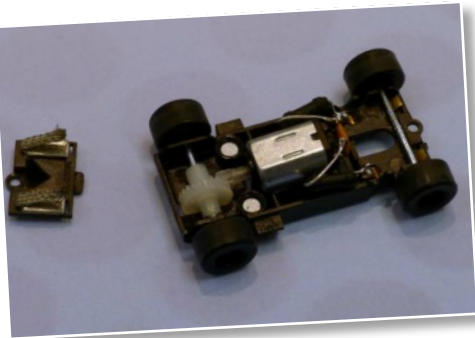
Popular entry-level class that features at all four events

- Chassis: Micro Scalextric 1995-2018 version with braids. May be 'narrow' or 'wide', depending on body fitted. No cutting, drilling or any other modification to chassis. Components cannot be glued.
- Motor: Unmodified standard Micro Scalextric motor with 'flywheel' between commutator and armature stacks. Minimum 10 ohm armature (no low-ohm 'My First Scalextric' battery set cars). Original resistors and capacitor between pick-ups and motor may be removed.
- Traction magnets: Two original Micro Scalextric magnets in original position, flush with bottom of chassis. Orientation may be changed (magnets can be flipped).
- Braid plate : Any 1995-2018 Micro Scalextric braid plate with plastic guide flag or metal pin.
- Braids: Any braids – steel, copper or plated. Must not be soldered to braid contacts or any other chassis components.
- Axles, wheels & gears: Standard Micro Scalextric front axle and wheels. Standard Micro Scalextric rear axle, wheels and Micro Scalextric 7T pinion + Micro Scalextric 25T crown gear.
- Tyres: Any single compound tyre. Maximum diameter on wheel is 0.476" or 12.09mm.
- Body: Any Micro Scalextric closed-wheel saloon or GT body – street-style or tuners liveries please. Re-paints most welcome. No cutting or sanding of wheel arches or of any other external surface.
- Maximum width: 35mm or 1.378".
- Weight: Minimum weight of entire car 23g. Ballast may be added to body only.
- Wheelie bars: not permitted.

Motor with
'flywheel'



MICRO 2019 RULES 2022



Micro Scalextric 2019 chassis with C8047 braid plate

An entry-level class for the latest Micro Scalextric cars

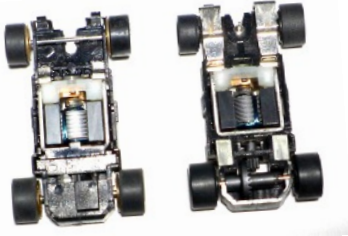
- Chassis: Micro Scalextric 2019-spec chassis only. Chassis tabs may be removed for body fitment. No other modification to chassis. Components cannot be glued.
- Motor: Unmodified standard Micro Scalextric N20 closed can motor. Resistors and capacitor must be fitted. Plastic heat guard may be removed.
- Traction magnets: Two original Micro Scalextric magnets in original position, flush with bottom of chassis. Orientation may be changed (magnets can be flipped).
- Braid & Braid plates: Original or replacement part G8047 braid and braid plate only. Any retaining screw arrangement is permitted.
- Axles & gears: Standard axles and gears only.
- Wheels: Any plastic or metal alloy wheels may be used.
- Tyres: Any single compound tyre. Maximum diameter on wheel is 0.500" or 12.70mm.
- Body Style: Any closed wheel saloon or GT body – drag racing, hot-rod or street liveries preferred. Re-paints and body modifications – wings, hood scoops etc - are most welcome. Where Nostalgia is specified, pre-1979 styles only.
- Body construction: Injection moulded plastic or cast resin - no vac-formed bodies permitted.
- Maximum width: 35mm or 1.378".
- Weight: Minimum weight of entire car 23g. Ballast may be added to body only.
- Wheelie bars: not permitted.

Features at all events, apart from Pancake Power.

SUPER STOCK 6.0 RULES 2022



Micro Scalextric Marchon MR1



Bulldog BDR is a Tomy Turbo replacement

New in-line class for cars powered by a 6-ohm AFX can motor

- Eligible chassis: Micro Scalextric '95-2018 (with braids), Micro Scalextric/Marchon MR1, Tomy Turbo, Tomy Super Racing Turbo (SRT), Bulldog BDR, Tyco HP-7, Artin F.
- Chassis: Two holes may be drilled to attach wheelie bar to rear of chassis. No other modification to chassis. Components may be glued.
- Motor: Unmodified standard Tomy AFX can motor. Minimum 6 ohm armature. Available as part AFX8807 at Slot Cars Direct.
- Electrics: Any shoes and shoe springs permitted. No shunts.
- Traction magnets: Original magnets in original position. Magnets may be raised or lowered and orientation may be changed (magnets can be flipped).
- Braids: Must be fitted. Any braids permitted – steel, copper or plated. May be soldered to shoes or braid contacts. Micro Scalextric braid contacts may be modified or replaced.
- Axles, wheels & gears: Any axles, wheels and gears. Any gear ratio is permitted.
- Tyres: Any single compound tyre. Maximum diameter on wheel is 0.500" or 12.70mm.
- Body Style: Any closed wheel saloon or GT body – drag racing or tuners livery. Re-paints and body modifications – wings, hood scoops etc - are most welcome.
- Body construction: Injection moulded plastic or cast resin - no vac-formed bodies permitted.
- Maximum width: 35mm or 1.378".
- Weight: Minimum weight of entire car 21g. Ballast may be added to body only.
- Wheelie bars: permitted.

Features at The Inline Show in June and will be back next year

CERAMIC INLINE 6.0 RULES 2022



New class for Tyco 440 and Life Like M cars powered by 6-ohm motor

- Eligible chassis: Tyco 440, Tyco/Mattel 440X2, Life Like M
- Chassis: Two holes may be drilled to attach wheelie bar to rear of chassis. No other modification to chassis. Components may be glued.
- Armature: Unmodified standard armature. Minimum 6 ohms. No balancing, comm cutting or epoxy treatments.
- Electrics: Original brush barrels only. Any motor brushes, springs and shoes permitted. No shunts.
- Motor magnets: Standard OEM ceramic magnets fitted in original position.
- Traction magnets (Tyco): Original Tyco/Mattel ceramic magnet(s) in original position.
- Braids: Must be fitted. Any braids permitted – steel, copper or plated. May be soldered to shoes.
- Axles, wheels & gears: Any axles, wheels and gears. Any gear ratio is permitted.
- Tyres: Any single compound tyre. Maximum diameter on wheel is 0.500" or 12.70mm.
- Body Style: Any closed wheel saloon or GT body – drag racing or tuners livery. Re-paints and body modifications – wings, hood scoops etc - are most welcome.
- Body construction: Injection moulded plastic or cast resin - no vac-formed bodies permitted.
- Maximum width: 35mm or 1.378".
- Weight: Minimum weight of entire car 21g. Ballast may be added to body only.
- Wheelie bars: permitted.

Tyco 440X2

Life Like M

Features at The Inline Show in June and will be back next year

PANCAKE STOCK RULES 2022

For Nostalgia T-Jet, Nostalgia 4-Gear Funny Car, NHRA Top Fuel, NHRA 4-Gear, and MT/XT Nostalgia Pro Stock

Electrical	Armature	Motor Magnets	Traction Magnets	Gears & Axles	Wheels & Tyres	Miscellaneous	Wheelie Bars
Stock or stock-type replacement No shunts Braids must be fitted	14 ohm minimum Balancing & polishing permitted No de-winding	Ceramic grade only Dash, plus OS3 Red & Blue Dragon allowed	Permitted Two maximum	No restrictions	No silicone-coated sponge tyres No other restrictions	No chassis modifications, except removing side tabs for body mounting purposes	Permitted

Based on the NTRA Nitroslots Pancake regulations



Additional regulations:

- Minimum weight: T-Jet: 21g / 4-Gear: 25g / MT Pro Stock: 23g
- Maximum Tyre Diameters: T-Jet & MT/XT: 0.490" / 4-Gear: 0.560" / Top Fuelers: unrestricted
- Body styles: Where specified, Nostalgia is pre-1979, NHRA is 1980 to present day
- Body construction: Injection moulded plastic or cast resin - no vac-formed bodies permitted.
- Maximum width: 35mm or 1.378". T-Jets: 30.5mm or 1.200"

Pancake classes feature at all events, apart from The Inline Show

RCR DRAG RACING GLOSSARY

- **Aftermarket parts:** high performance parts as opposed to the original manufacturer's (OEM) parts.
- **Ballast:** weight added to the car to help with performance or to comply with class weight restrictions.
- **Chassis:** the frame of the car - holding the motor, axles, guide and pick-up shoes.
- **Christmas Tree:** the start lights on a drag strip that gives each driver a countdown sequence ending in the green Go! light.
- **Elapsed Time or ET:** the time taken between the start line and finish line sensors. Doesn't always determine the winner. See Holeshot.
- **Eliminations:** the tournament-style racing when one car wins and the other loses. The winner goes on to the next round and the loser is eliminated.
- **Flopper:** another name for a Funny Car.
- **Foul start:** when a car crosses the start line sensor before the green start light shows. A red light appears on the Christmas Tree and the racer is disqualified. If both drivers 'red light' the winner is the second car to cross the start line.
- **Funny Car:** the fastest class of closed-wheel drag cars, typically fitted with flip-top bodies and have an extended wheelbase.
- **Heads-up:** classic one-on-one racing with no handicaps for either driver.
- **Holeshot:** an advantage gained by the driver reacting quickest at the start. A holeshot win is when a car with a slower ET wins thanks to a faster reaction time.
- **Inline:** a motor configuration where the armature sits horizontally along the car from front to back - as opposed to a vertical 'pancake' motor.
- **NHRA:** National Hot Rod Association, the main drag racing sanctioning body in North America.
- **Pro Tree:** the Christmas Tree sequence used in most heads-up racing. All three amber lights flash together, followed by the green start light.
- **Reaction Time or RT:** the time between the last amber light going out and a car crossing the start line sensor.
- **Shoe:** in drag racing slang, the driver. On slot cars, the solid pick-ups.
- **Shutdown:** area past the finish line where cars come to a stop.
- **Sleeper:** a fast car that looks unassuming.
- **Speed trap:** the final 66 feet of a full-size drag strip, where the top speed is recorded.
- **Staged:** a car is staged when it is lined up on the start line.
- **Staging lane:** the area where cars wait to enter the drag strip, usually in pairs.
- **Stock:** as originally produced by the manufacturer - with no aftermarket performance parts or modifications.
- **Teardown:** inspection to ensure cars meet all the technical specifications. Usually done at random and after a run.
- **Terminal speed:** top speed at the finish line, measured by the speed trap sensors.
- **Time slip:** given to the racer after a run, listing the ET, reaction time and speed.
- **Top end:** the end of the dragstrip just before the finish line.
- **Tree'd:** when a racer's reaction time is significantly slower than an opponent's.
- **Wheelie bars:** used to prevent excessive front end lift. A bar or bars with small wheels fitted to the rear of the car.



PROXY



SlotRacer
O N L I N E