

Australian Slot Car
National
Championships
24th – 27th March
2016



EVENT TIMETABLE

Thursday 24th March

9:00 AM Track Opens
7:00 PM Entries Close GTP Tourer (Amateur only)
7:15 PM GTP Tourer (Amateur only)

Friday 25th March

9:00 AM Raceway opens
12:00 PM Entries close Lotus Tourer
12:15 PM Racing starts Lotus Tourer
4:00 PM Entries close Group F
4:15 PM Racing starts Group F
7:00 PM Entries close International 15's
7:15 PM Racing starts International 15's
Late PM Raceway closed

Saturday 26th March

8:00 AM Raceway opens
9:15 PM Entries Close LMP S16D
9:30 PM Racing Starts LMP S16D
12:00 PM Entries close GTP12
12:15 PM Racing starts GTP 12
3:30 PM Entries Close Wing 12
3:45 PM Racing starts Wing 12
7:00 PM Entries Close O.M.O.
7:15 PM Racing Starts O.M.O.
Late PM Raceway closed

Sunday 27th March

8:00 AM Raceway opens
10:00 AM Entries close 27 Lite
10:15 AM Racing starts 27 Lite
National Rules Discussion
3:00 PM Entries close Opens
3:15 PM Racing starts Opens

Beer Beer Beer Beer

A minimum of 15 minutes between heats and final.
Minimum 1hr between start of next class and end of final.
No event shall start before its advertised time.

The Track:

155ft Ogilvie Blue King with 6 power taps. The plug for controller is the standard Australian house hold female plug.

Power:

Track is powered by 2x1000 amp batteries with 2 60 AMP power supplies and 1 large capacitor.

Race System

SlotTrak is the race program that we will be using. In the final Bracket cars will race to the line and be given a time factor.

More Info:

For more information about this annual event please contact us by phone (07)49525014 or 0408 754 259

Or email Adrian@slick7raceway.com.au

Address:

Slick 7 Raceway
2 Temples Lane
Mackay 4740

GENERAL RULES

Race Entry

Drivers may compete in any or all events. An entrant shall be deemed to consist of one driver and one car. The entrant having paid their entry fees for an event shall comply with the regulations as set down and abide by the decision of the race director.

Cars and scrutineering

Cars must comply with the specifications for their class and any relevant general rules at all times while racing. All repairs and replacement parts must comply with the specifications for their class. Any component may be replaced with the exception of chassis or body. Cars will be inspected before qualifying and prior to all finals. After preliminary inspection all cars will be impounded. All cars moving up will be impounded after heat, q/final, and semi. Any car may undergo a tear down inspection after racing. The scrutineer's interpretation of the rules shall be final. The scrutineer is also empowered to rule on any area of the cars construction not specifically covered by the rules.

Controllers and driving

Any controller device may be used as long as it does not increase voltage to the track. The race director may inspect controllers at his discretion. Any device deemed to interfere with the track computer system shall be banned from the event. Only the driver may operate any device that controls their car on the track. There must be no outside assistance in the operation of controllers or chokes etc. Drivers must stand at the control panel for their lane when driving. Only drivers in the current race will be allowed at the driver's panel.

*** Special consideration will be given to disabled drivers.

Drivers conduct

Drivers and their pit crews are expected to conduct themselves in professional manner at all times. Abusive, offensive or unsportsmanlike conduct will result in immediate penalties being imposed. Drivers are warned they are responsible for the conduct of their pit crews.

Marshalling

The race director will advise Drivers of their marshalling duties. Failure to perform required duties will result in a penalty Drivers who are unable to marshal due to a disability are required to nominate an acceptable substitute.

Penalties

If required, the race director will apply penalties for rule infractions. Penalties may range from warnings to exclusion from the event.

Black flag

The race director will demand the removal from the track of any car which is dragging on the track, interfering with other cars or continually de slotting. The car may be repaired and returned to the track. **Cars that cause multiple track calls will be asked to take it off and inspect for 10 seconds before resuming the race.**

Guide and lead wire

Only one guide per car. Guide clips may be used. Any lead wire may be used.

Front wheels

All cars must be fitted with two front wheels located in the normal position. Must be equipped with rubber type tyres. (Full rubber type wheels are acceptable on wing cars only) Wheels must contact the track surface before any part of the chassis when the car is rocked from side to side. Minimum wheel diameter .500" for all classes. Wheel stickers are acceptable in GTP12 and all wing classes.

Rear wheels

Any compound rear wheels may be used **except speed rubber is not to be used**. Plain hub .500 only for all classes up to and including Wing 12.

Bodies

An entrant may only use one body per class. Air control devices may be replaced if damaged during racing. All bodies must be commercially available. Bodies must cover the entire chassis and the guide. No parts may protrude other than rear tyres. Where a particular body or range of bodies is specified, they must be ON the manufacturers intended cut line. Bodies must be painted to appear opaque with the exception of windows, which must be left clear. Front wheel arches must also be left clear or cut so that front wheels are inside of the car front to rear side to side and clearly visible. Interiors, where required must be painted a minimum of three colours so as to maintain an appearance of realism and be of the correct scale and size to cover the entire cockpit. Bodies may be reinforced with tape and /or other suitable materials. Air controls devices must be clear or translucent although stickers, stripes and tape may be added. Front edges of side dams should be taped to avoid injury to marshals and spectators. Maximum Height (wing cars) 63.5mm. Maximum length front diplane 12.7 mm Diplanes on GP10 or GP12 GTP/WSC must not protrude beyond original bodywork.

Class Track clearance and Width

Sedans .047" & 85mm

Wing .062" & 83mm

Goings

For all classes will be conditioned by the race director prior to commencement of racing and as deemed necessary between races. No other traction compound may be added to the track. It has been found that the use of natural rubber compounds leads to a build up of rubber on the track, which can make racing most unpredictable. If this should occur the race director may choose to clean and condition the affected area between races.

Racing Format

Round Robin racing format maybe used throughout the weekend. The race director reserves the right for 11 entries or less to be considered 1 race to save on time for the weekend. Lane choice will consist of being able to pick what number reserve you will be (ie. If there are 10 cars you can pick reserve 1 or reserve 2). Cars that rotate off the track will be put on the Race Directors box immediately at end of bracket. Driver will get car back beginning of next lane change. The car will return to the position on the track from where it finished the white bracket. Rotation order of the 'off bracket' is after white then come back on to the track on the red lane. The Round Robin format will depend on the number of marshals available for the race. Minimum number of Marshalls is 3 for Flexi cars and 5 for Wings cars. The racing format will be confirmed prior to Qualifying.

Entries up to 8 Cars will be a final only.

9-12 Entries: 1 Semi and 1 Final. Bottom 8 qualifiers will race the Semi

13-18 Entries: 2 Semi's and 1 Final. Semi lane choice is ABBABABABABABA and so on. Lane choice for the final will be the awarded to whichever of the 2 semi winners with the highest lap totals 1st then the winner from the opposite semi regardless of lap total. This will keep continue all the way down the results of both semi's.

19-24 entries: Two heats, two semis and final. Fastest eight qualifiers into semis - top four in each race move up.

25-32 entries: Four quarter finals, two semis and final. All entrants start in quarter finals – top four in each race move up.

33-36 entries: One consie, four quarter finals, two semis and final. Fastest twenty-eight qualifiers into quarter finals - top four in each race move up.

37-40 entries: Two consies, four quarter finals, two semis and final. Fastest twenty-four qualifiers into quarter finals - top four in each race move up.

40+ entries: Fastest sixteen qualifiers in the quarter finals. All other drivers will be seeded into a number of consies - top four in each race move up.

Final only racing where there may be more than 1 race (I.e. Group 27 Lite) will be run as a variation of the "Snake" format where the top two will be in the 2nd race, the bottom two will be in the first race. 3rd to 14th will be seated BABA. As an example for 16 car field the seeding would appear as AABABABABABABABB.

GTP Tourer

Entry fee \$20.00

Race duration

Qual is 60 seconds no bye

Heats 90 seconds / 90 second lane change

Quarter final 90 seconds / 90 second lane change

Semi-final 2 min / 90 second lane change

Final 3 min / 120 second lane change

Body

Permitted bodies –

Any bodies up to GTP style bodies

Chassis

Any commercially available pressed steel group 10 type chassis may be used. . **(EXCLUDING ANY CHASSIS WITH A MOTOR BOX CUT OUT.)**

All original dimensions, mounting points and basic configuration must be retained with the following exceptions. - NO alum side pans plating may be removed to facilitate soldering of chassis parts. Rear axle tube and /or wire brace may be added. Motor may be soldered in place. Rear axle height may be altered provided no material other than plating is removed. Body tape may be used to aid in chassis performance. Front axle maximum diameter 0.062” Front wheel retainers may be substituted or soldered in place. Front axle may be soldered in place or braced to prevent rotation.

Rear axle

1/8 or 3/32 solid only Oilite type bushings only may be glued or soldered in place.

Gears

Any unmodified 48 or 64 D.P. gears.

Motor

JK Hawk 7 Only **with H7 engraved on it.**

NO MODIFICATOINS AT ALL

Any signs of tampering the car will be DQ

Lotus Tourer

Entry fee \$20.00

Race duration

Qual is 60 seconds no bye

Heats 90 seconds / 90 second lane change

Quarter final 90 seconds / 90 second lane change

Semi-final 2 min / 90 second lane change

Final 3 min / 120 second lane change

Body

Permitted bodies –

FC products Lotus body only in 10 Thou

Chassis

Any commercially available pressed steel group 10 type chassis may be used. All original dimensions, mounting points and basic configuration must be retained with the following exceptions. - NO alum side pans plating may be removed to facilitate soldering of chassis parts. Rear axle tube and /or wire brace may be added. Motor may be soldered in place. Rear axle height may be altered provided no material other than plating is removed. Body tape may be used to aid in chassis performance. Front axle maximum diameter 0.062" Front wheel retainers may be substituted or soldered in place. Front axle may be soldered in place or braced to prevent rotation.

Rear axle

1/8 or 3/32 solid only Oilite type bushings only may be glued or soldered in place.

Gears

Any unmodified 48 or 64 D.P. gears.

Motor

JK Hawk 7 Only **with H7 engraved on it.**

NO MODIFICATOINS AT ALL

Any signs of tampering the car will be DQ

SUPER 16D LMP

Entry fee \$20.00

Race duration

Qual is 60 seconds no bye 14.2 volts
Heats 90 seconds / 90 second lane change
Quarter final 90 seconds / 90 second lane change
Semi-final 2 minute bracket / 90second lane change
Final 3 minute bracket / 2 minute lane change

Body

RED FOX AUDI R18 RFSC100C

Chassis

Any commercially available group 10 pressed steel type chassis. All original dimensions and mounting points and basic configuration must be retained with the following exceptions:- Alum side pans will be permitted Plating may be removed to facilitate soldering of chassis parts. Rear axle tube and /or wire brace may be added. Motor may be soldered in place. Rear axle height may be altered provided no material other than plating is removed. Body tape may be used to aid in chassis performance. Front axle maximum diameter 0.062" Front wheel retainers may be substituted or soldered in place. Front axle may be soldered in place or braced to prevent rotation.

Rear axle

1/8 or 3/32

Oilite type bushings only may be glued or soldered in place.

Gears

Any unmodified 48 D.P or 64 D.P gears

Motor

Parma 500,501, 502 standard, Deathstar Parma 498 IX rotor setup or Fastone's AT midnight setups are P/slot FX setup Kelly D Can and Camen Demon Setup will permitted Must use all original hardware including endbell, brush hoods buss bars and spring posts. Endbell and hardware may not be modified in any way with the exception of honing of the hoods to take big foot brushes. Only endbell to can screws may be added or substituted. Can may not be modified except for the following. Notching for axle clearance. Removal of paint or plating to facilitate soldering. Oilite hole may be centered and can may be straightened. Oilite type bushing only may be glued or soldered in place. Magnets must be of original type for set up must be located by original retainers a small amount of glue will be permitted to stop forward and aft movement of the magnet. Magnets may be remagnetised. Any springs and brushes may be used. Shunt wire and insulation is not permitted.

Armature

Permitted Armatures any Parma, PSE, Pro-slot, RJR/Viper, Best of the West Super S16D armature with a minimum stack length of .490"and minimum diameter of .520" and 60 series wound turns of 28 gauge [AWG] wire. Armature spacers and com truing permitted.

GTP12

Entry fee \$20.00

Race Duration

Qual is 60 seconds no bye 14.2 volts
Heats 2 minute bracket / 90second lane change
Quarter final 2 minute bracket / 90second lane change
Semi final 2 minute brackets / 90second lane change
Final 3 minute bracket / 2 minute lane change

Body

Any commercially available GTP high down force bodies.
Driver must be painted a minimum of three colours.

Chassis

Any group 12 sedan type chassis **NO** wing car chassis will be permitted. C11 chassis is allowed.

Gears Any

Rear axle

Any 3/32 or 1/8 solid only. Oilite bushings only may be glued or soldered in place

Motor

Any mass produced full size c/can set up. No strap cans any mass produced c/can endbell excluding those made for from a metal or alloy of metals. Must use original brush hoods and buss bars, spring post may be substituted. Endbell and hardware may not be modified in any way Endbell to can and hardware screws may be added and or substituted. Can may not be modified in any way except for the following. Notching for axle clearance. Removal of paint to facilitate soldering Oilite hole may be centred. A small hole may be drilled in each side of the can to aid in the gluing of magnets (2mm max) bearing permitted in both ends of motor. Any full can height, single piece ceramic magnet may be used. [No quads Except for Proslot SMQ] Magnets may not contain rare earth materials defined as elements with the atomic weight 58 through 71. Magnets may be glued, shimmed, radiused and polished. Any brushes and springs may be used. Shunt wire and insulation may be used. Any tagged X-12 or X12+ armature with a minimum stack length of 0.350" and minimum 50 series wound turns of 29 gauge AWG wire may be used. Minimum armature diameter 0.512" Armature spacers may be used.

Group F

Entry fee \$20.00

Race duration

No Qualifying

Finals Only 3 min / 120 second lane change. Seated Randomly

Body

Any winged body. Interiors are required PSE wing car interior are permitted. See general rules bodies

Chassis

Any commercially available "Box Stock" or "Group F" style chassis

Rear axle

1/8 or 3/32 solid only Oilite type bushings only may be glued or soldered in place.

Gears

Any unmodified 48 or 64 D.P. gears.

Motor

Proslot PS-4002FK only.

Seal is to remain on with no signs of tampering.

Springs and Brushes may be changed

Brushes must remain full and not shaved for less contact on com.

Tires

Plain hub maximum diameter in hub .500

WING 12

Entry fee- \$30.00

Race duration

Qual is 60 seconds no bye 14.2 volts
Heat 2 minute bracket / 2 minute lane change
Quarter final 2 minute bracket / 2 minute lane change
Semi final 2 minute bracket / 2 minute lane change
Final 3 minute bracket / 3 minute lane change

Body

Any winged body. Interiors are required PSE wing car interior are permitted. See general rules bodies

Chassis

Any commercially available "Box Stock" style chassis

Car weight

70 Grams at all times.

Gears Any

Rear axle

Any 3/32 or 1/8 solid only. Oilite bushings only may be glued or soldered in place

Motor

Any mass produced full size c/can set up. No strap cans any mass produced c/can end bell excluding those made for from a metal or alloy of metals. Must use original brush hoods and buss bars, spring post may be substituted. End bell and hardware may not be modified in any way End bell to can and hardware screws may be added and or substituted. Can may not be modified in any way except for the following. Notching for axle clearance. Removal of paint to facilitate soldering Oilite hole may be centred. A small hole may be drilled in each side of the can to aid in the gluing of magnets (2mm max) bearing permitted in both ends of motor. Any full can height, single piece ceramic magnet may be used. [No quads Except for Proslot SMQ] Magnets may not contain rare earth materials defined as elements with the atomic weight 58 through 71. Magnets may be glued, shimmed, radiused and polished. Any brushes and springs may be used. Shunt wire and insulation may be used. Any tagged X-12 or X12+ armature with a minimum stack length of 0.350" and minimum 50 series wound turns of 29 gauge [AWG wire may be used. Minimum armature diameter 0.512" Armature spacers may be used.

Tires

Plain hub maximum diameter in hub .500.

International 15

Entry fee- \$30.00

Race duration

Qual is 60 seconds no bye 14.2 volts

Final Only 3 minute bracket / 3 minute lane change

Cars must start race how they qualify.

Body

Any winged body interiors are required PSE wing car interiors permitted.

See general rules -bodies

Chassis-

Any Chassis

Rear axle - Any

Gears - Any

Motor

Any mass produced strap or 'u' bend type cans are permitted.

Minimum internal width .835"

Cut out and machine work are permitted.

Any ceramic magnets may be used Rare earth materials are forbidden.

Magnets may be shimmed, glued, radiused and polished.

Any end bell and hardware may be used.

End bell to can mounting screws may be added and / or substituted.

Any brushes and springs may be used.

Shunt wire and insulation are permitted.

Any bearings allowed. May be soldered or glued in place.

Any machine wound, tagged "15" or "INT15" armature with a minimum stack length of .440" and a minimum of 50 series wound turns of 29 gauge [AWG] wire may be used.

Armature spacers may be used.

27 Lite

Entry fee- \$30.00

Race duration

Qual is 60 seconds no bye 14.2 volts

Final Only 4 minute bracket / 3 minute lane change

Cars must start race how they qualify.

Body

Any winged body interiors are required PSE wing car interiors permitted.

See general rules -bodies

Chassis-

Any steel Chassis

Rear axle - Any

Gears - Any

Motor

Maximum of 2 motors.

Single magnets (no larger than 400x440 +-5%).

Any tagged 27 armature with a minimum stack length of .440 and a minimum 38 series wound turns of 27 gauge (AWG) wire may be used.

O.M.O.

Entry fee- \$30.00

Race duration

Qual is 60 seconds no bye 14.2 volts

4 minute bracket / 4 minute lane change.

Cars must start race how they qualify.

Body

Any winged body interiors are required PSE wing car interiors permitted.

See general rules –bodies

Chassis- Any

Rear axle - Any

Gears - Any

Motor – Any open type motor. Only 1 motor to be used.

Opens

Entry fee- \$40.00

Race duration

Qual is 60 seconds no bye 14.2 volts

Heat 2 minute bracket / 2 minute lane change

Quarter final 2 minute bracket / 2 minute lane change

Semi-final 3 minute bracket / 3 minute lane change

Final 5 minute bracket / 4 minute lane change

Body

Any winged body interiors are required PSE wing car interiors permitted.

See general rules -bodies

Chassis- Any

Rear axle - Any

Gears - Any

Motor – Any open motor

\$10 from every entry will be the prize pool for the winner.

Accommodation

We have pre organised an accommodation package at the Mackay Grande Suites. The hotel is in the CBD which is about a 10 minute drive to the Track. They have a number of restaurants and bars within the hotel which are open late each night and also provide a 24 hour room service option.

Each room will sleep up to 2 adults with either a single king bed or two single beds at a room rate of \$130 per night.

If you would like more information, please contact Ross on 0458507182 or via email ross@slick7raceway.com.au

Otherwise you can make your booking with Angela Lyons from the Mackay Grande Suites at fom@mackaygrandesuites.com.au or by phone on +61 7 49691000. When contacting the hotel please make sure you make them aware that you booking as part of the “Slick 7 Raceway” group.

Transport to and from the airport, track and accommodation is available at no cost, we will have a mini bus operating between the three locations should you want to save on having to hire a car.

