

North Queensland  
Driver Championships  
29<sup>th</sup> September –  
1<sup>st</sup> October 2017



## EVENT TIMETABLE

Friday 29<sup>th</sup> September

9:00 AM Raceway opens  
6:00 PM Entries Close Group F  
6:15 PM Racing Starts Group F  
8:00 PM Entries Close LMP S16D  
8:15 PM Racing Starts LMP S16D

Saturday 30<sup>th</sup> September

8:00 AM Raceway opens  
9:15 PM Entries Close Lotus Tourer  
9:30 PM Racing Starts Lotus Tourer  
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 Int 15  
7:15 PM Racing Starts Int 15

No race to start after 9pm if we are running late racing will start the next day at 9am

Sunday 1<sup>st</sup> October

8:00 AM Raceway opens  
If any race from Sunday needs to be run 1<sup>st</sup> race will be an hour after last race finish.  
10:00 AM Entries close 27 Lite  
10:15 AM Racing starts 27 Lite  
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 30 mins 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](mailto: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.

### **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.

### **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.

### **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. No Speed type rubber or rubber deemed as Speed type rubber may be used in any race. Determination will be at the discretion of the Race Director. Use of this rubber may result in penalties to the racer, up to and including disqualification.

### **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

### **Goosing**

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 (I.e. 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 1<sup>st</sup> 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 top qualifiers in the 2<sup>nd</sup> race. If there is an odd number of cars, the extra car will race in the first final.

# Lotus Tourer

**Entry fee \$35.00 Includes hand out motor.**

## **Race duration**

Qual is 60 seconds no bye

Semi-final 2 min / 90 second lane change

Final 3 min / 120 second lane change

## **Body**

Permitted bodies – Racer X lotus **MUST** be cut on cut line.

Lotus body purchased through Slick 7 Raceway.

## **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". Wheel stickers are permitted on all chassis in substitute of front axles.

## **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. HAND OUT MOTORS PROVIDED AND AVAILABLE 21 DAYS PRIOR TO THE EVENT. 1 motor is included in entry fees. Only 1 motor may be used. Extra motor may be purchased if first motor is believed to be nonperforming. Motor not to be changed after scrutineering.

**NO MODIFICATIONS 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**

Racer X Intrepid. Maximum body height on Chassis 41mm.

## **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". Wheel stickers are permitted on all chassis in substitute of front axles.

## **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**

Racer X Lexus only. Maximum body height on chassis is 45mm.

**Chassis**

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

**Gears** Any

**Rear axle**

Bearings Allowed

**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) Oilite bushing only in endbell Bearing permitted in can only 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**

Qual is 60 seconds no bye

Final Only 3 min / 120 second 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

With or without weight added.

**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**

HAWK 7 Motor only.

No Modification

**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**

64 Grams at all times.

**Gears Any**

**Rear axle**

Bearings allowed

**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.

**Tires**

Plain hub maximum diameter in hub .500.

# 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.

# Opens

**Entry fee- \$30.00**

**Race duration**

Qual is 60 seconds no bye 14.2 volts **\$50 bonus for track record.**  
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**

## Race Fees are capped at \$100 Drivers Championship Rules

Points are given on overall results depending on numbers entered in the class

A drivers best 4 results will be taken. Overall Highest Point scorer will be declared NQ Drivers Champion. There will be trophies for all classes as well as a perpetual trophy for the drivers champion.

Overall	1 <sup>st</sup> \$100
	2 <sup>nd</sup> \$50
	3 <sup>rd</sup> \$20

### Point system.

1st	50
2nd	46
3rd	43
4th	40
5th	37
6th	34
7th	31
8th	28
9th	25
10th	22
11th	19
12th	16
13th	13
14th	10
15th	7
16th	4

In the case of extra drivers they each receive 2 points just for racing.  
Top qualifier will receive 2 bonus points.