

# Australian Slot Car Championships

Thursday 6<sup>th</sup> – Sunday 9<sup>th</sup> April



2 Temples Lane  
Mackay, QLD 4740  
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[www.slick7raceway.com.au](http://www.slick7raceway.com.au)

# **EVENT TIMETABLE**

## **Thursday 6<sup>th</sup> April**

8:00 AM Track Opens

7:00 PM Nastrucks

## **Friday 7<sup>th</sup> April**

8:00 AM Raceway opens

10:00 AM LMP Hawk 7

2:00 PM Wing 12

## **Saturday 8<sup>th</sup> April**

8:00 AM Raceway opens

10:00 AM Int 15

2:00 PM OMO

## **Sunday 9<sup>th</sup> April**

8:00 AM Raceway opens

10:00 AM 27 Lite

3:00 PM Open G7

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 3 x 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 Sedans.

### **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

### **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**

#### **All Classes except Group 7 are finals only**

Group 7 will use

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.

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.

27 Lite and OMO

Will use Snake to seed final as follows. ABBAB~ABABB or for 17 or above entries will be ABCCBA~ABCC. Smaller heat will be A if needed and will also be the last race. Cars will be impounded after qual. Drivers may only check braid and place lane stickers on start line. Oiling can only be done during their qual minute.

All Other Classes

Will Be seeded as fast slow. Fastest Qualifiers in the last race. Cars are impounded after qualifying but will have 10 min practice to work on the cars before race starts.

No artificial cooling spray or otherwise permitted in qualifying. In 27 lite and OMO oiling of car must be done while track is on for your qualifying session. Once time is up it is placed in parc ferme.

# NASTRUCKS

**Entry fee \$20.00**

**Race duration**

Qualifying is 60 seconds no bye

Final 2 min / 120 second lane change

**Body**

Permitted bodies –

JK Nastrucks Only – Cut along cut line including the back. With Interior pending availability.

Wheel Stickers permitted

**Chassis**

Only Chassis allowed. JK7, C21, Champion Turbo Flex and Parma 5. Other chassis without motor cut out maybe considered with prior race directors approval.

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**

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

**Gears**

Any - 64P 12 tooth Pinion with 36 64P gear.

**Motor**

JK Hawk MB Only .

NO MODIFICATOINS AT ALL

Any signs of tampering the car will be DQ

**Tires**

Plan hub max diameter 500. Can be cut down.

# LMP Hawk 7

**Entry fee \$20.00**

**Race duration**

Qualifying is 60 seconds no bye

Final 3 min / 120 second lane change

**Body**

JK Ascari LMP Bodies only.

Permitted part numbers - JK7200. 7 thou minimum. Wheel Stickers permitted. Cut on Cut line including rear.

**Chassis**

JK Chassis C26 part number C43\_4 Cheetah Aeolos only. No modifications. Any J bars may be used.

**Rear axle**

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

**Gears**

Any unmodified 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

**Tires**

Plan hub max diameter 500. Can be cut down.

# WING 12

**Entry fee- \$30.00**

**Race duration**

Qualifying is 60 seconds no bye

Final 3 minute bracket / 3 minute lane change

**Body**

Any winged body. Driver stickers are required. See general rules bodies

**Chassis**

Any commercially available steel chassis. Weight may be cut out. No other modification.

**Car weight**

No Minimum weight

**Gears Any**

**Rear axle**

Any 3/32 solid only. Bearings permitted

**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**

Qualifying is 60 seconds

Final Only 3 minute bracket / 3 minute lane change

**Body**

Any winged body. Driver stickers are required

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**

Qualifying is 60 seconds

Final Only 4 minute bracket / 3 minute lane change

Cars must start race how they qualify.

**Body**

Any winged body. Driver stickers are required

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. Bearings Allowed

# O.M.O.

**Entry fee- \$30.00**

**Race duration**

Qual is 60 seconds

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**

Qualifying is 60 seconds

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**