

SAN TAN KARTING

Outlaws

Disclaimer:

The rules and or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements, and uniform rules and race procedure for such events in Arizona. These rules shall govern the conduct of all events, and by participating in these events, all participants are deemed to have complied with these rules. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATIONS OF, OR COMPLIANCE WITH THESE RULES AND/OR REGULATIONS. They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death of a participant, spectator or official.

EVERY SEASON WE WILL SELECT AN ADULT TO BE A REPRESENTATIVE FOR THE MEMBERS. THERE WILL BE ONE FOR QUARTER MIDGETS AND ONE FOR OUTLAWS. IDEALLY IF YOU HAVE A QUESTION OR CONCERN YOU CAN BRING IT TO YOUR DELEGATED REPRESENTATIVE, IF NECESSARY THE ISSUE WILL BE BROUGHT TO A SAN TAN KARTING OFFICIAL.

Safety

1. Helmets:

- a. All participating drivers must wear a well fitted safety helmet designed specifically for auto racing (SA designation) that meet or exceeds the 2010 or better Snell Foundation or SFI Foundation 24.1 youth spec helmet specifications and are labeled as such.
- b. Helmets will be in good condition (no exterior cracks, evidence of impact or deteriorating interior lining) Helmets will be subject to inspection at each event by the Technical, Safety and/or medical representative. Hair must be under the helmet or inside the drivers suit/jacket.
- c. Visors/Face shields must be in the down position when on the racing surface. Clear, or amber, face shields must be worn after dark, or whenever track lights are turned on.

2. Racing apparel

- a. Suit - All drivers must wear a one or two piece fire resistant suit which fits snugly around the neck, wrists and ankles, exposed skin not allowed. These items must meet SFI Foundation specifications 3.2A1 or higher. Jeans are not permitted.
- b. Head Sock ó Use of Nomex Hood/head sock is highly recommended.
- c. Nomex Underwear ó Recommended

3. Neck collar

- a. Neck collar is mandatory, must be made of Nomex or equivalent is mandatory except as noted here, recommended rating of SFI Foundation 3.3.
- b. Head & Neck Restraints - SFI approved 38.1 may be used without Neck Collar. Must be renewed within every four (4) years and always be current.

4. Gloves

- a. All drivers must wear Nomex or equivalent gloves that must completely cover the hands and fingers. SFI Foundation specifications 3.3 or higher.

5. Arm restraints

- a. Arm restraints are mandatory and must be worn at all times during competition. Center fastening point will be fastened in conjunction with quick release safety belts.

1. Arm restraints are fastened securely to the driver's forearms, (between the wrist and the elbow), never at or above the elbow.
2. Arm restraints should be adjusted short enough to keep driver from reaching more than two or three inches above the steering wheel.

6. Seats & Belts

- a. Cars must have a web type safety belt with quick release buckle. Safety belt must be securely fastened to the frame. Pull up lap belts are recommended.
- b. Use of safety belt is required at all times, and belt should be worn as tight as possible.
- c. Seat belt must be worn in such a manner that it passes around the pelvic area at a point below the anterior superior iliac spine. Under no condition may it be worn over the area of the intestines and abdomen. (Lap portion of safety belt must be located so that pressure is across driver's hips)
- d. Metal quick release is preferred.
- e. Minimum of a five point safety belt is mandatory.
- f. Double Shoulder straps are mandatory. They must be worn securely across the right and left shoulders, and should be worn as tight as possible.
- g. No restraining device may be used to keep the driver's head or body outside of the roll cage.
- h. Anti-Submarine belt mandatory.
- i. Both the fastening design and condition of the straps are subject to the inspection of STK.
- j. Shoulder straps must be attached directly to a strong structural member of the chassis close behind the driver's head and neck.
- k. **Life of the belts in use shall not exceed four (4) years and must be date stamped by the manufacturer.**
- l. ***Aluminum seats may be used.*** The seating system should provide a lateral support on both the left and right sides. It is recommended that the seat provide left and right lateral support for both the shoulders and head.

7. Fuel tank location

- a. Outboard mounted fuel tanks should have metal protection, particularly in the petcock area.
- b. While refueling the driver must be out of the car. The penalty will be a **disqualification** for the event from that class.

8. General Safety

- a. Brakes must be in good working order and condition at all times.
- b. All drivers must maintain a working fire extinguisher in their pit area.
- c. All karts must have 60 nylon tie attached to spark plug wire.
- d. Chain guards are required for beginner, predator and clone. All other classes highly recommended.
- e. Please remember, safety is YOUR priority.

Numbers

1. All karts must display a minimum of 100 number on both sides of the kart and wing panel.
2. Numbers that are not legible will not be scored.

All class requirements:

1. Cages/frames

- Frames must be of kart configuration, and not to exceed 900 in overall length. **NO EXCEPTIONS.**
- No suspension.
- Cages are **MANDATORY**, they are not for looks or wing mounts but the safety of our drivers.
- Roll cage must be securely fastened with a safety chain and/or grade 5 bolts or better.
- Driver's body must be completely inside roll cage.

- All vertical cage bars must be connected by horizontal bar at front and rear of uppermost cage. Halos are **HIGHLY** recommended.

2. Tires

- Dirt tires **ONLY**.
- Tires must be Burris or Hoosier kart type.
- Tires must durometer to manufacturer specifications.
- No doping/treating of any kind.
- Wheels not to exceed 60 in diameter.
- Four tires and wheels are required in traditional location.

3. Wings

- If you start a race with a wing, you must end with a wing. Karts with wings that fall off or are dangling will be **disqualified**.
- Wing sides must stay within 30 from outer most edge of kart.
- Overall length 480 maximum.
- Minimum wing side panels 320X 120
- Remote wing adjusters *are* allowed.
- No sharp edges or exposed bolts.
- Wings can be any material, except wood or plexiglass. No short edges or protruding parts.
- Uppermost part of kart and wing not to exceed 720
- No nose wings.

4. Body Specs

- Bodies can be fiberglass, aluminum, or Lexan (no wood). Carbon fiber allowed.
- Wing, hood, and tail piece are mandatory in all classes (unless noted on schedule otherwise).
- Floor pans must be a minimum of .090 thick aluminum (must be attached with bolts). Carbon Fiber allowed.
- No part of the kart may obscure the drivers vision.

5. Nerf bars

- No bars, other than regular nerf bar, may extend out past outer edge of tire on either side of kart.
- All nerfs and bumpers must be on and secure for kart to compete.
- No lead filled nerf bars.
- This is OPEN WHEEL RACING. No front end cowcatchers. **If in doubt see officials.**

6. Exhaust/Muffler

- Must meet AZ DBA noise standards
- Must run muffler at all times
- Any kart losing a muffler must exit the track or will be **black flagged**.

7. Additional Necessary Information

- All karts must have a solid rear axle, no ratcheting hubs or other mechanical means of unlocking 1 wheel on the rear axle
- NO TRACTION CONTROL DEVICES ALLOWED
- All weight must be securely fastened to kart, painted white, and labeled with car number on it. Weight falling off on the track will lead to immediate **disqualification**.
- Make sure your carb is jetted correctly, and your fuel mixture is correct. Excessive smoking cars will be **disqualified**.
- Kill switch is **MANDATORY** and must be accessible to driver while belted in with arm restraints.
- Any loose item that may fall off a kart is cause for a **black flag**.

Tech sheet

Following items must pass tech to race

1. Helmet (fit, condition, dot, sfi or snell sanctioning body sticker)
2. Arm restraints must be worn below elbows
3. Driving suit (condition, no holes)
4. Seat belts (fit condition, no frayed belts)
5. Brakes (condition and operation)
6. Operable kill switch accessible to driver belted in with arm restraints, & six inch zip tie on plug wire.
7. Steering (condition and operation)
8. Front and rear axle clips
9. Fuel line (condition and routing)
10. No protruding objects, bolts etc.
11. Coolant lines (condition and routing)
12. Nerfs and bumpers (mounting and condition)
13. Muffler (mounting and condition)
14. Floor pan (mounting and condition)
15. Cage height
16. Numbers
17. Chain guard
18. Motor (which may require complete tear down at racers expense).
19. Fuel

Racing Classes

*Rookie Outlaw/Predator *

This is a class for first time drivers, no experience necessary, and all ages welcome. The motor you choose to race should be a *stock out of the box, zero modifications.* Predators may use a *Bell clutch only.* If driving a L0206 you must use a yellow restrictor. *Drivers must complete the "rookie" class with the Race Director, 1 class walking on foot and 1 class driving in kart. A driver must complete 3 races before advancing.*

Junior Predator

1. This is a beginner's class, some experience is necessary. Drivers must be between the ages of 5yrs ó 10yrs. **Please be aware that you must use a Bell clutch only. No exceptions will be made.**
2. **Ages:**
 - a. 5yrs-10yrs
 - b. Minimum weight 250lbs including cart.
3. **Engines:**
 - a. Stock Predator no bigger than 212ccó no performance enhancing parts allowed. There will be no exchange or mixing of parts between different model engines.
 - b. Valves- stock steel/stainless nitrate coated valves onlyí 45 degree angle only. No grinding, refacing, or resizing of valves allowed, no polishing of valves allowed. **Maximum 10.8 pound valve spring**
 - i. *Model 69730*-old style engines

1. Intake valve diameter 0.9790 minimum
2. Exhaust valve diameter 0.9380 minimum
- ii. *Model 60363*- new style engines
 1. Intake valve diameter 1.0580 minimum
 2. Exhaust valve diameter 0.9790 minimum
- iii. Gaskets must be stock configuration, gasket thickness is a non tech item. No copper or aluminum gaskets allowed. Sealer may be used to assist gasket seal.

4. Carburetor

- a. Any stock predator type carburetor with integral fuel shut off valve allowed (no Honda carbs allowed). No interchanging of parts between carburetor models allowed. Carburetor to intake sealer is gasket only no other sealer allowed. Choke must be supplied from factory, but may be fixed to stay in open position. Choke area must remain as cast.

5. Exhaust

- a. Exhaust system can be either stock factory muffler with no alterations allowed OR AKRA legal exhaust system using small .7500 max O.D header and RLV mini 91 silencer. If using a header/silencer it must pass all AKRA rules. Allen bolts, or extended studs of original diameter allowed. Any stock configuration exhaust gasket allowed, Sealer and/or gasket may be used.

6. Clutch

- a. Bell Clutch **ONLY**.

7. Starter

- a. Stock pull start **ONLY**. Recoil may be rotated for better angle to facilitate starting engine.

8. Changeable Items

- a. Gas tank (optional)
- b. Exhaust
- c. Air cleaner/ Filter
- d. Chain guard

9. Fuel/Fuel tank/ Fuel Pump

- a. No methanol, Nitro, or racing fuel.
- b. Pump gas **ONLY**.
- c. Factory fuel tank may be used or optional top plate and fuel pump. Tank vent tube may be disconnected and fuel cap fixed to vent. However if you unhook it you must plug the hose that runs to the air box.
- d. Official gas stations:
 - When racing at the San Tan Karting Bull Ring at Arizona Speedway: CIRCLE K, 40900 N. IRONWOOD DR. SAN TAN VALLEY, AZ 85140.
 - When racing at Horseshoe Park: QT 22185 S. ELLSWORTH LOOP RD, Queen Creek, AZ 85142.

10. TECH

- a. All engines are subject to tech at any time regardless of finishing position. All engines are subjected to impound at that time. All engines will be teched as raced, based on the engine as presented at scales for post-race weight check.
- b. Protested engines may be marked or impounded, at the Race Directors discretion until the completion of the event.
- c. If you do not go directly to tech after race you are **disqualified**. NO EXCEPTIONS. Top 3 finishers to tech after main event.

Stock 125

If running this class you may not compete in the open 125 class.

1. Age

- a. 10yrs-16yrs

2. Engines

- a. 125 cc 2 stroke (Max 56mm Bore for Yamaha, Honda, & Suzuki). Exception for Kawasaki.
- b. **Stock 125 cannot be used in stock & open class on the same weekend with different drivers.**
- c. Stock configuration
 - 1. No port angle changing.
 - 2. No welding of ports allowed.
 - 3. Stock dirt bike carb, no modifications, no fuel injection.
 - 4. Kick starter may be removed and plugged.
 - 5. No Aftermarket reeds, reed assemblies, spacers may not be used.
 - 6. Approved pipes only, must meet DBA requirements.
 - 7. No lightening of internal components.
 - 8. No decking the cylinder or cylinder block spacers. **Multiple gaskets are considered spacers.**
 - 9. All parts must compare to known stock parts.
 - 10. No turbos.

3. Transmission

- a. No direct drive
- b. All gears must be functional, no removal.

4. Clutch

- a. Must be operable and working.
- b. No slipper type/automatic aftermarket clutches.

5. Weight with driver (subject to change).

- a. 125: 325 pounds

6. Fuel

- a. Racing fuel allowed
- b. No methanol
- c. No nitro

125 2 Stroke/250 4 Stroke Open

If running this class you may not compete in the Stock 125 class.

1. Age

- a. 10yrs-16yrs

2. Engines

- a. 125 cc 2 stroke
- b. 250 F 4 stroke **(fuel injection allowed).**

3. Weight with driver (subject to change).

- a. 125: 325 pounds.
- b. 250: 375 pounds.

4. Fuel

- a. Racing fuel allowed
- b. No methanol
- c. No nitro

Beginner Class 206

This is designed to be an entry level class. Emphasis is on safety and learning.

1. Age

- a. 5yrs-7yrs
- b. Weight with driver 250lbs.

2. Engine Specs.

- a. Briggs & Stratton ASN Nat. Junior Class with a .570 yellow slide with locking device #555726
- b. Please adhere to the rule set for **2018 206 United States set** found at the www.briggsracing.com
- c. Any clutch may be used.
- d. Carb slider will be checked in pre-race tech inspection.

3. Pump gas ONLY.

Senior Class 206

1. Age

- a. 8yrs-12yrs
- b. Weight with driver 280lbs.

2. Engine Specs

- a. Please adhere to the rule set for **2018 206 United States set** found at the www.briggsracing.com
- b. Briggs & Stratton L0206 purchased from approved dealer, using stock black slider.
- c. Any clutch may be used.

3. Pump gas ONLY.

*Unless these rules state that you can do it, you cannot do it.
(Briggs & Stratton)*

At the discretion of the San Tan Karting officials.