

## 2019 Winged Outlaws Karts

### **Jr. Wing/Box Stock Winged Outlaw Class-**

Age 7-13

Raceiver Required in this class!

(3) Engine Options:

1-Can run 2018 IKF/NKA Briggs Gas Animal rules: Weight: 300 lbs.

2 -2012 AKRA Clone engine rules GASOLINE ONLY. Weight: 300 lbs.

3- Briggs and Stratton Animal 206 Senior rules. Weight: 275 lbs.

Gas Animal:

Animal engine 2018 IKF / NKA rules, Gasoline only, .255 running lift maximum at retainer, MUST have compression release on camshaft, max main jet size .038, pilot jet .014 No go, no porting allowed, Does NOT need recoil starter. Pump gas only 87-91 octane no ethanol fuel or fuel additives allowed.

Animal header: 24" max length from header flange ( mount) to end of muffler. Headers MUST be wrapped from 1" above flange to muffler. ( safety issue) Header must be "J" style pipe only and MUST stay within the

frame rails, muffler must be secured, header that exit outside the frame rails will not be allowed to compete. Header / muffler may not extend behind the rear bumper.

2012 AKRA BP Clone engine: NO Porting Allowed

Pump gasoline only 87-91 Clone MUST use billet flywheel. Clone Header must stay within frame rails ( same as Animal engine) and must be wrapped.

Open clutch

Briggs and Stratton Animal 206 Senior rules @ 275 lbs.

Box Stock wings: Allowed in Jr Wing/Box Stock Wing class at THS.

No front wings or air directional devices allowed. No side panels or lips allowed on the hoods/noses.

3" Max lip on RS Panel.

TIRES & WHEELS: 5" or 6" rims. Bead lock wheels are allowed. 50 or 55 treaded tire is Mandatory on right rear of all Winged Outlaw karts. (Must highlight RR 50-55 tire stamp with white paint or white paint pen for easy visibility to officials) All Outlaw wing karts must run all 4 Treaded tires and may also groove or sipe any of their tires. (No grooved slick tires) No Tire Softener is allowed!

The karts competing in this class may be built by any competitor or manufacturer. The kart, as built, must comply with all guidelines set by Speedway Officials.

CHAIN GUARDS: Must have aluminum, steel or equivalent material chain guard by clutch and then extend chain guard with safe material to protect driver's arm. Must be secured properly to protect driver from broken chain.

### **125cc/250cc Class-**

Class Age 11-up (No younger drivers unless approved by Thunder Hill Speedway)

Raceiver Required in this class!

ENGINE RULES IF RACING 125 Engine in 125/250 Class:

- Single cylinder, 2-stroke dirt bike engine
- (145cc maximum cylinder displacement)
- No lightweight cranks or stroker kits
- Must have factory stock stroke and rod length as per manufacturer engine specifications for the year and model of your engine
- Must have complete working clutch, no slipper clutches
- Pump gas only (No Methanol)
- No Nitrous Oxide
- Single fuel pump or safely mounted gravity fuel tank
- Single carburetor only
- 125, 250 and 500 Wing Kart classes will only be allowed to run one Radiator (std CR racing size and cap.) and standard 3/4" hose directly from engine to radiator, no extra cooling hoses, tanks, etc...!!!!
- No Rotary engines
- Min. Weight with 125 engine is 350#

ENGINE RULES IF RACING 2 cycle 250 Engine in 125/250 Class:

Single cylinder (2-cycle, gas only)

Stock Stroke and rod length as per manufacturer year, model and engine specification

CHAIN GUARDS: Must have aluminum, steel or equivalent material chain guard by clutch and then extend chain guard with safe material to protect drivers arm. Must be secured properly to protect driver from broken chain.

No after market stroker kits.

Maximum cylinder displacement: 265cc

Must have complete working clutch, no slipper clutches.

Single carburetor only

Single cylinder (gas only).

-Min. Weight with any 250 is 430#

Engine Rules if racing a 250 (4 stroke) in 125/250 Class:

Single cylinder only Stock Bore & Stroke as per manufacturer year, model and engine specifications.

Single Carb only Must have complete working clutch, no slipper clutches.

125/250 and 500 Wing Kart classes will only be allowed to run one Radiator (std CR racing size and cap.) and standard 3/4" hose directly from engine to radiator, no extra cooling hoses, tanks, etc...!!!!

No Nitrous Oxide. Min.

-Min. Weight with any 250 is 430#

TIRES & WHEELS: 5" or 6" rims. Bead lock wheels are allowed. 50 or 55 treaded tire is Mandatory on right rear of all Winged Outlaw karts. (Must highlight RR 50-55 tire stamp with white paint or white paint pen for easy visibility to officials) All Outlaw wing karts must run all 4 Treaded tires and may also groove or sipe any of their tires. (No grooved slick tires) No Tire Softener is allowed!

The karts competing in this class may be built by any competitor or manufacturer. The kart, as built, must comply with all guidelines set by Speedway Officials.

CHAIN GUARDS: Must have aluminum, steel or equivalent material chain guard by clutch and then extend chain guard with safe material to protect driver's arm. Must be secured properly to protect driver from broken chain.

**500 Pro Open Wing Class-**

Age 14-up (No younger drivers unless approved by Thunder Hill Speedway)

Racecars required in this class!

Engine: dirt bike style engine only

Single cylinder (gas only), Single carb only 550cc Max. Displacement (2 and 4 strokes)

single carburetors only allowed

-Min. Weight is 450# with 2-stroke engine

**\*NEW in 2019 -Min. Weight is 475# with 4-stroke engine**

125/250 and 500 Wing Kart classes will only be allowed to run one Radiator (std CR racing size and cap.) and standard 3/4" hose directly from engine to radiator, no extra cooling hoses, tanks, etc...!!!!

No Nitrous Oxide.

CHAIN GUARDS: Must have aluminum, steel or equivalent material chain guard by clutch and then extend chain guard with safe material to protect driver's arm. Must be secured properly to protect driver from broken chain.

TIRES & WHEELS: 5" or 6" rims. Bead lock wheels are allowed. 50 or 55 treaded tire is Mandatory on right rear of all Winged Outlaw karts. (Must highlight RR 50-55 tire stamp with white paint or white paint pen for easy visibility to officials) All Outlaw wing karts must run all 4 Treaded tires and may also groove or sipe any of their tires. (No grooved slick tires) No Tire Softener is allowed!

The karts competing in this class may be built by any competitor or manufacturer. The kart, as built, must comply with all guidelines set by Speedway Officials.

PROTEST (FEATURE): Any competitor finishing in the top 4 can protest a fellow competitor in that race for a sum of \$250. \$50 will go to the track and \$200 will go to the winner of the protest depending on the tech inspection outcome (legal or illegal).

CHASSIS SPECS: Main frame must be similar in design and appearance to karts competing at Thunder Hill Speedway with the addition of a roll cage. Roll cage must be constructed of mild steel tubing, chrome moly tubing, or material of equal or greater strength, must be of a design that protects the driver in the event of an upset or mishap and pass stringent inspection by THS officials. Q.R.C or S.K.E SPECS Ok.

ABSOLUTELY NO SUSPENSION IS ALLOWED ON ANY WINGED OUTLAW KARTS! SPRING MOUNTED ROLL CAGE ON RIGID KART CHASSIS ONLY! NO CHAMP (style) KARTS! SAFETY RULES: Safety is one of the prime considerations of Thunder Hill Speedway. Methods of operation, vehicle construction, track facilities and competition practices are under constant review to protect the karter and to raise the safety standards of the sport

Helmets: All helmets must be Snell 2010 or newer standards. Buy a High quality helmet such as a Simpson, Bell, etc. . .

Aluminum racing seat designed for use with a 5-point harness: Mandatory. (Back of seat shall not be inclined less than 60 degrees) Commercially manufactured arm restraints only. Commercially manufactured seat belts only. (Five point seat restraint system required.)

Fire retardant racing suit mandatory. Driver should be able to exit kart without additional assistance. All other safety requirements stated in the regular THS rules must be followed.

Ballast: All Non-structural weights added to kart must be securely bolted. Carrying of ballast on the driver's person is prohibited. Bolts of minimum 5/16" diameter must be utilized to secure weights, cotter-keyed or doublenutted. No weight shall be bolted to the underside of the kart. Where weight is attached directly to the seat of a kart, a large diameter, metal fender washer must be used for reinforcement. A maximum of 5 lbs. per bolt is allowed. Any driver who loses weight on the track will be disqualified. Ballast/ weights must be painted white with kart number inscribed. Tape, hose clamps, ty-wraps or fasteners other than bolts are not legal for attaching ballast weights to karts.

SILENCERS: Must be bolted and secured in a safe manner or driver will not be allowed to race or DQ'd.

WING REQUIREMENTS: Top wing required. Highest point of top wing not to exceed 76" from ground.

125/250 and 500 Winged Outlaw Classes: Top wing must be intermediate or open style wing . (Approx. 34-40" wide center section and 42-48" long side panels) Length and width dimensions will not vary 33%. Side panels must not obstruct driver's vision.

No front wings or air directional devices allowed. Subject to track official discretion No side panels or lips allowed on the hoods/noses. 3" Max on RS Panel

Wing Sliders: Legal in all Winged Outlaw Classes, but not recommended in Jr. Wing/Box Stock Outlaw Classes Brakes: Rear Disc Brakes Mandatory, Left front brakes legal, but not recommended in Jr. Winged

Outlaw Class Body: Must be complete. This includes hood, side panels, floor pan and tail. May be built of aluminum, fiberglass or non-splintering plastic. No sharp edges!

TIRES & WHEELS: 5" or 6" rims. Bead lock wheels are allowed. 50 or 55 treaded tire is Mandatory on right rear of all Winged Outlaw karts. (Must highlight RR 50-55 tire stamp with white paint or white paint pen for easy visibility to officials) All Outlaw wing karts must run all 4 Treaded tires and may also groove or sipe any of their tires. (No grooved slick tires) No Tire Softener is allowed!

APPEARANCE: All karts must be have a neat and clean appearance

CHAIN GUARDS: Must have aluminum, steel or equivalent material chain guard by clutch and then extend chain guard with safe material to protect driver's arm. Must be secured properly to protect driver from broken chain.

STARTING: If your kart will start with a kick starter, use it. All wing karts that are pushed on the track to start, must be fired before they reach the flag stand.

All General Track rules also apply!

Don't assume your kart is legal, all karts and parts must be approved by THS!