



2023 Sportsman (Flat Kart) Class rules

Ages: 13+

- **Must have Snell 2015 or newer helmet!**

Sportsman class is Hoosier Treaded Tires ONLY! (NO Slick tires allowed)

These Are The Only Acceptable Options:

**Left-side
Hoosier Treaded 11 X 5.5 X 6
D30 Compound
Minimum Durometer – 45
(35.5" Max tire size on LR)**

**Right-side
Hoosier Treaded 12 X 9 X 6
D50 Compound
Minimum Durometer – 50
(38" Min tire size on RR)**

Maximum Wheel width on any corner is 10.75 inches

Minimum Wheel width on any corner is 6 inches

*Left rear tire Max size of 35.5"

*Right rear tire Minimum size of 38"

*(These tire sizes will be given ¼" of leeway)

Tires can be washed with water only! Tires MUST be dry when brought to Hot Grid! It is up to the team and driver to maintain your tires. If a foreign chemical is found in the lab testing a driver will be fined and suspended as follows. NO TIRE PREP OF ANY KIND ALLOWED! (tires to be washed with water ONLY, NO Simple Green, Hand Cleaner, Tire softener or any product other than water!)

Tire samples may be taken at any time during a race night

If tires smell like prep, you will be automatically suspended

No Hot boxes or heat blankets are allowed

Min tread depth 1/16"

You may groove, sipe and/or grind tires

Sportsman class must paint tire stamps/ tire numbers with white paint pen for easy visibility to officials

Engine options allowed in Sportsman Class will be Briggs LO206 or the Predator:

• Briggs Animal LO206 Engine Rules:

• 2020 Briggs LO206 engine rules apply, 6100 rev limiter, short slide, Spec pipe (RLV 5506 or RLV 5507) only and muffler required for this class

- Any Factory sealed Briggs LO206 Short block will be allowed in 2023, must meet all Briggs Tech rules other than the new Briggs seals.
- RT-1 Spec cylinder head only

• Gasoline only, no additives, no ethanol blended fuel 89-92 octane only

• **NEW for 2023!**

Briggs Animal LO206 Intake Centerline must be between 105 and 107 to be legal. No allowance of 2 degrees from those numbers. (No twisting of the cam) Anyone found illegal will be banned from competition in this class and fined \$500!

Any clutch, drum or disc type

• #35 chain only! No 219 chain allowed

- Steel axle only
- NKA Rules will apply for these speedway type karts unless otherwise stated

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.

- **375 lb minimum kart and driver with 206**

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- **350 lb minimum kart and driver with Predator**

• Predator Engine Rules:



(Item #'s 60363 or 69730)

(Tech will be performed)

- After market air filter and adapter, pipe/muffler are allowed. Main jet will be Max of .037" NO GO and pilot jet will be Max of .020" NO GO.
- Timing is Non-Tech, but the engine must have a key) installed on the flywheel (can be offset key to change timing
- The Engine Must Pass A Governor Test With Tires On The Engine 5,500 Max RPM
Engines Must FULLY Surge Before and At 5500 RPM
- The governor must be connected and operational
- Any engine can be claimed by a racer in the field after race
- Claim price \$160
- Track can claim any engine or in pre-announced races require any participant to run a track supplied engine or swap with a competitor in the class.
- You may disconnect vent tube on tank
- You may disconnect throttle stop screw
- You must run the factory gas tank
- You can only bolt on a chain guard
- You can disconnect wire used for oil sensor and tape it
- You can drill a small hole in the gas cap
- You May Tape The Engine Pull Cord
- 87 Octane pump gas only, no additives, no race gas
- **NEW 2023! Any clutch, drum or disc type**
- **350 lb minimum kart and driver with Predator**

Rule 721.26- HAVE FUN!

*Thunder Hill Speedway reserves the right to modify these rules as needed