

# STARS – SOUTH TEXAS ARENA RACING SERIES – 2026 RULES

## SAFETY REQUIREMENTS –

**\*\*We recommend all safety equipment be used any time karts are on the racing surface\*\***

### **In General**

Youth, Junior, Senior, karts must have at minimum, a 4-Point safety belt bolted to the frame.

All Karts must have a kill switch in reach of the driver.

All weights must be securely mounted to the frame with kart number on weight.

Roll bar padding is highly recommended.

### **Markings**

All Karts must have legible numbers, of at least six (6) inches in height

Yard Karts can put their number on the side of the driver's helmet.

### **Drivers**

All drivers must wear an approved full-face safety helmet with complete eye protection.

All Drivers must wear long sleeves and pants at a minimum, but driver suit is recommended.

Neck brace is required

Arm restraints are required for karts with roll cages

Long hair must be restrained.

Closed toe shoes are required.

## SPORTSMANSHIP

Unsportsmanlike conduct will not be tolerated.

Rough driving will not be tolerated. Anyone called for rough driving will be sent to the pits. Two (2) offenses in the same night will result in disqualification for that night.

Any conduct, by children, kart owners, parents, pit crews, etc., towards another child, parent, pit crew, etc, deem inappropriate will be disqualified for that race night and/or for the remainder of the season.

This includes going to another competitor's pit area. If a situation arises, notify an official immediately and let them handle it.

Any conduct by children, kart owners, parents, pit crews, etc., deemed inappropriate towards any racing official will be barred from the premises for the remainder of the season and will forfeit all points, trophies, etc. Any discussion with any official must be in a normal voice and manner.

Voicing your dislike on social media will get you banned from all events.

## General Rules For Young Guns / JR1 / JR2 / JR3 / Outlaw 125 / Outlaw 250 / Outlaw 500:

- Gas for clone classes require 87 octane. No additives may be present.
- Chain Guard Required
- No Tire Dope except flat kart classes allowed.
- Open Clutch
- Muffler is optional
- Nerf Bars Required
- Front & Rear Bumper Required. Bumpers must be of tubular design and max width of rear bumper may be no wider than tire sidewall to sidewall width. Front bumper may be no wider than frame rails.
- Tread Tires only with RR Hoosier D50 or Burris/QRC 50 or 55 and RR must durometer a minimum of 50 at all times.
- Racecievers are required in all classes except Young Gun.
- All clone classes will follow AKRA rules unless otherwise noted. Get your rule book from their website: [akracing.com](http://akracing.com) or by calling. (we are not permitted to reprint or post the rules on our website

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so it is the responsibility for racers to obtain a copy (\$10) and abide and understand the rules of this governing body.)

**Jr 1 Clone** – ages 5-7 years old, gas only and weight rule is 265 lbs., using a Green Plate Restrictor

**Jr 2 Clone** – ages 7-12 years old, gas only with weight at 290 lbs., using a Blue Plate Restrictor plate.

**Jr-3 Clone** – ages 10-15 years old, gas only with weight at 320lbs, and No restrictor plate.

**Outlaw 125** (Age 10 & up)

Single cylinder, two-cycle, single carburetor MX dirt bike or ATV engine, gasoline only not to exceed 135cc displacement.

Stock 125cc OEM Stroke. (may overbore to 135)

Stock OEM manual disk type clutch only, must be able to push start.

Minimum of 375 pounds with driver.

**Outlaw 250** (12 to 16)

No overbore engine not to exceed 265cc displacement

Stock OEM stroke.

No slipper clutches

or fuel injected is legal, single carb only

No lightening of flywheels

Any pipe allowed as long as it is not a safety issue, (protruding outside of nerf bars etc.)

Gear removal will be a non-tech item

Beadlock required on right rear

Weight – 420 lbs

**Outlaw 500 Open Karts** (15 and up)

Single cylinder, single carburetor two-cycle or OEM fuel injected/carbureted four-cycle MX dirt bike or ATV engines are accepted must not exceed 550cc displacement.

Stock OEM manual type disk clutch only, must be able to push start.

Weight with driver minimum of 450 pounds.

## **RWYB FLAT**

**Axle** - May not protrude past the outside edge of the wheel.

**Body** – Mandatory

**Brakes** - Must be in working condition and the driver must be able to fully engage the brake pedal.

**Chain Guard** - Required - must be designed to protect the driver in the event of a chain failure.

**Exhaust** – It is recommended that you wrap or sleeve exhaust system with a heat-resistant fabric.

**Equipment** - Raceceiver and Transponders are mandatory. Raceceiver channel is 454.000. Transponder is to be mounted to the steering column via a clip or bag.

**Frame** - Must not exceed 90” in overall length. Must be constructed of steel (no aluminum or conduit tubing).

**Muffler** - optional

**Nerf & other bars** - Nerf bars may not extend more than 3” outside the outer edge of the tire. Any bars other than a “regular” nerf bar may not extend outside the outer edge of the tire.

**Wheels** - Wheels must not exceed 6” in diameter and are to be steel or aluminum only!

**Weights** – No Weight requirement

**\*Large zip tie on spark plug wire (with end pointing UP) is recommended in all classes**

# STARS – SOUTH TEXAS ARENA RACING SERIES – 2026 RULES

## South Texas (STX) DIVISIONS

Classes – We will not be focused on age we will focus on ability, if you can handle the kart properly we will allow you to race with in the kart rules. Parents race your child where they are comfortable racing and not getting into trouble. We reserve the right to move people out of a class.

STX Youth Predator Division (Beginners)– Minimum weight 265lbs – Red Restrictor Plate

STX Intermediate Predator Division– Minimum weight 275lbs – Green Restrictor Plate

STX Junior Predator Division– Minimum weight 290lbs – Blue Restrictor Plate

STX Senior Predator Division– Minimum weight 320lbs – No Restrictor Plate

STX Predator Division — Minimum weight is 375 lbs – no restrictor plate

STX Heavy Predator Division - Minimum weight is 420 lbs – no restrictor plate

STX Open Predator – No Weight Requirement

STX Open Flat Karts –no cages Minimum weight 375lbs

STX Spec Cage Division – Minimum weight 400 lbs

STX Lady Predators – No Weight Requirement – Kart must meet STX Stock Predator Rules

\*\*\*Karts can participate in as many classes as they would like to enter as long as they meet the rules.

STARS officials will adjust as they see fit to keep the classes competitive and safe. If a beginner child is 10 years old but has never raced they may start off in the youth. We would prefer to base classes on ability more than age.

## STX YOUTH / INTERMEDIATE / JUNIOR / SENIOR PREDATOR DIVISION KART RULES

### Frames

Any production & Custom frame allowed.

Must be made of steel. No aluminum or titanium.

Champ karts ok. No suspension karts.

### Body

Bodies are optional.

Fiberglass, Aluminum or steel bodies.

Feet must be protected with nose cone or tubing.

### Suspension

No Suspension allowed.

### Bumpers and Nerf Bars - Mandatory

Front and rear bumpers are required.

We recommend bumpers to be the full width of the front and rear tires.

Nerf bars are of max 1” O.D. tubing are required and may not extend past the outside of tires.

Bumpers and nerf bars must have rounded ends.

No sharp edges.

### Roll Cages

A roll cage is required

Cage must be constructed of quality material in a safe manner.

Cage must be securely mounted to the frame.

# STARS – SOUTH TEXAS ARENA RACING SERIES – 2026 RULES

## **Wheels**

Any steel or aluminum wheels allowed.  
Wheel spacers between the wheel and HUB are not allowed.

## **Tires**

Turf -type Tires only - Maximum turf tire size 13/6.50-6 Must use the Deestone, Carlisle or Turf Saver Brand tires. Any other Turf type tire must be track approved prior to racing.  
No after-market racing tires are allowed.  
No sipping, grooving, or softening allowed.

## **Fuel**

Gasoline only.  
No methanol and No E85.  
Aftermarket fuel tanks are allowed.

## **Drive train**

Must be live axle type  
Must be chain driven  
Chain guard must be in place between chain and driver

## **Clutches**

Shoe type clutches allowed no disk type clutches.

## **Weight Rule**

Southern Youth Predator Division – Minimum weight 265lbs  
Southern Senior Predator Division – Minimum weight 320lbs

## **Brakes**

Brakes must be in good working order – THIS IS A TECH ITEM NO BRAKES NO RACE!!!!  
Must have guard in place over brake rotor.  
No front Brakes allowed.

## **Engine**

**Only the Predator 6.5 HP (212 cc) HORIZONTAL SHAFT OVERHEAD VALVE GAS ENGINE IS ALLOWED! These motors are sold at Harbor Freight. The Hemi or non-Hemi are both allowed.**

**No modifications to the motor other than the exhaust, governor, air cleaner, and Carb Jets.**

Any exhaust is allowed, must have flanged end.  
The Governor may be disconnected.  
The air cleaner can be replaced with any style of air cleaner.

## **Cam Timing**

- With degree wheel at perfect TDC
- Cam timing will be checked at the end of the intake push rod when the push rod lifts .050
- The wheel must read between 6 to 12 degrees for Hemi and between 10 and 15 degrees for non-hemi.

## **Ignition Timing**

- With Degree wheel at perfect TDC
- Ignition timing will be checked by aligning leading edge of magnet with trailing edge of coil
- Degree wheel reading must not exceed 16 degrees
- Offset flywheel key may be used to advance or retard timing to not exceed 16 degrees maximum.

# STARS – SOUTH TEXAS ARENA RACING SERIES – 2026 RULES

## Fly Wheel

- Minimum weight is 5lbs – 0 ounces no exceptions.
- Flywheel must be stock-unaltered, no modifying or lightening of any kind.

## Valves

- Stock valve and valve seat angles only.
- Valve Spring - Maximum 10.8 pounds at .850 height no shimming
- 18 pounds max at .650 height

No taping of recoil or blower housing allowed.

No mixing of parts between models.

Carb may not be modified other than the jets.

**\*\*SP , Rui\*ing , and Huayi Carbs only no other carbs allowed! Must remain stock!**

**Maximum main jet size 0.40 no exceptions.**

## **Restrictor Plate requirements**

STX Youth Predator Division – Red Restrictor Plate

STX Intermediate Predator Division – Green Restrictor Plate

STX Junior Division Predator Division – Blue Restrictor Plate

STX Senior Predator Division - no restrictor plate

## **STX Predator and STX Heavy Predator Kart Rules**

### **Frames**

Any production & Custom frame allowed.

Must be made of steel. No aluminum or titanium.

Champ karts ok. No suspension karts.

### **Body**

Full front body covering tires and bumpers are required

Fiberglass, Aluminum or steel bodies

Rear bumper required we recommend full width.

### **Suspension**

No Suspension allowed.

### **Bumpers and Nerf Bars - Mandatory**

Front and rear bumpers are required.

Full width rear bumpers are recommended. Front of kart should have a full width bumper or a body panel that covers the front end including the wheels.

Nerf bars are of max 1” O.D. tubing are required and may not extend past the outside of tires.

Bumpers and nerf bars must have rounded ends.

No sharp edges.

### **Roll Cages**

No roll cages allowed.

### **Wheels**

Any steel or aluminum wheels allowed.

Wheel spacers between the wheel and HUB are not allowed.

# STARS – SOUTH TEXAS ARENA RACING SERIES – 2026 RULES

## **Tires**

Turf -type Tires only - Maximum turf tire size 13/6.50-6 Must use the Deestone, Carlisle or Turf Saver Brand tires. Any other Turf type tire must be track approved prior to racing.  
No Softening of tires – Minimum Durometer reading of 60 (no exceptions)  
No after-market racing tires are allowed.

## **Fuel**

Gasoline only.  
No Racing Fuel or E85.  
Aftermarket fuel tanks are allowed.

## **Drive train**

Must be live axle type  
Must be chain driven  
Chain guard must be in place between chain and driver

## **Clutches**

Shoe type clutches allowed no disk type clutches.

## **Weight**

STX Stock Predator minimum weight is 375lbs after the race with driver in kart.  
STX Heavy Predator minimum weight is 420lbs after the race with driver in kart.

## **Brakes**

Must have (2) rear wheel brakes.  
Brakes must be in good working order.  
Must have guard in place over brake rotor.  
No front Brakes allowed.

## **Engine**

**Only the Predator 6.5 HP (212 cc) HORIZONTAL SHAFT OVERHEAD VALVE GAS ENGINE IS ALLOWED! These motors are sold at Harbor Freight. The Hemi or non-Hemi are both allowed.**

**No modifications to the motor other than the exhaust, governor, air cleaner, and Carb Jets.**

Any exhaust is allowed, must have flanged end.

The Governor may be disconnected.

The air cleaner can be replaced with any style of air cleaner.

### **Cam Timing**

- With degree wheel at perfect TDC
- Cam timing will be checked at the end of the intake push rod when the push rod lifts .050
- The wheel must read between 6 to 12 degrees for Hemi and between 10 and 15 degrees for non-hemi.

### **Ignition Timing**

- With Degree wheel at perfect TDC
- Ignition timing will be checked by aligning leading edge of magnet with trailing edge of coil
- Degree wheel reading must not exceed 16 degrees
- Offset flywheel key may be used to advance or retard timing to not exceed 16 degrees maximum.

# STARS – SOUTH TEXAS ARENA RACING SERIES – 2026 RULES

## Fly Wheel

- Minimum weight is 5lbs – 0 ounces no exceptions.
- Flywheel must be stock-unaltered, no modifying or lightening of any kind.

## Valves

- Stock valve and valve seat angles only.
- Valve Spring - Maximum 10.8 pounds at .850 height no shimming
- 18 pounds max at .650 height

No taping of recoil or blower housing allowed.

No mixing of parts between models.

Carb may not be modified other than the jets.

**\*\*SP , Rui\*ing , and Huayi Carbs only no other carbs allowed!**

## **Restrictor Plate requirements**

no restrictor plate

## **STX Open Predator**

### **Frames**

Any production & Custom frame allowed.

Must be made of steel. No aluminum or titanium.

Champ karts ok. No suspension karts.

### **Body**

Full front body covering tires and bumpers are required

Fiberglass, Aluminum or steel bodies

Rear bumper required we recommend full width.

### **Suspension**

No Suspension allowed.

### **Bumpers and Nerf Bars - Mandatory**

Front and rear bumpers are required.

Full width rear bumpers are recommended. Front of kart should have a full width bumper or a body panel that covers the front end including the wheels.

Nerf bars are of max 1” O.D. tubing are required and may not extend past the outside of tires.

Bumpers and nerf bars must have rounded ends.

No sharp edges.

### **Roll Cages**

No roll cages allowed.

### **Wheels**

Any steel or aluminum wheels allowed.

Wheel spacers between the wheel and HUB are not allowed.

### **Tires**

Any Racing Tire

Turf Type Tires allowed.

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## **Fuel**

Gasoline only.  
No Racing Fuel or E85.  
Aftermarket fuel tanks are allowed.

## **Drive train**

Must be live axle type  
Must be chain driven  
Chain guard must be in place between chain and driver

## **Clutches**

Shoe type clutches allowed no disk type clutches.

## **Weight**

No Weight Requirements

## **Brakes**

Must have (2) rear wheel brakes.  
Brakes must be in good working order.  
Must have guard in place over brake rotor.  
No front Brakes allowed.

## **Engine**

**Predator or Predator Ghost Engines allowed**  
**Predator Ghost engine must meet all manufacturer specifications**  
**Predator Engines can run billet flywheel and any valve spring**  
**Can be started with electric starter**

## **Restrictor Plate requirements**

no restrictor plate

## **STX Open Flat Kart**

### **Frames**

Any production & Custom frame allowed.  
Must be made of steel. No aluminum or titanium.  
Champ karts ok. No suspension karts.

### **Body**

Full front body covering tires and bumpers are required  
Fiberglass, Aluminum or steel bodies  
Rear bumper required we recommend full width.

### **Suspension**

No Suspension allowed.

### **Bumpers and Nerf Bars - Mandatory**

Front and rear bumpers are required.  
Full width rear bumpers are recommended. Front of kart should have a full width bumper or a body panel that covers the front end including the wheels.  
Nerf bars are of max 1" O.D. tubing are required and may not extend past the outside of tires.  
Bumpers and nerf bars must have rounded ends. – No Sharp Edges

# **STARS – SOUTH TEXAS ARENA RACING SERIES – 2026 RULES**

## **Roll Cages**

No roll cages allowed.

## **Wheels**

Any steel or aluminum wheels allowed.

Wheel spacers between the wheel and HUB are not allowed.

## **Tires**

Any Racing Tire – Maximum 9” wide tire per what is written on the tire

## **Fuel**

Methanol and Racing Gas allowed

Aftermarket fuel tanks are allowed.

## **Drive train**

Must be live axle type

Must be chain driven

Chain guard must be in place between chain and driver

## **Clutches**

### **Any Clutch allowed**

## **Weight**

Minimum weight is 375 lbs, after the Race with driver in kart

## **Brakes**

Must have (2) rear wheel brakes.

Brakes must be in good working order.

Must have guard in place over brake rotor.

## **Engine**

**4 stroke only, 213 cc maximum, no fuel injection, no boost, no gear box, no shifter karts, no nitrous.**

## **STX Spec Cage Division**

### **Frames**

Any production & Custom frame allowed.

Must be made of steel. No aluminum or titanium.

Champ karts ok. No suspension karts.

### **Body**

Bodies are optional.

Fiberglass, Aluminum or steel bodies.

Feet must be protected with nose cone or tubing.

### **Suspension**

No Suspension allowed.

### **Bumpers and Nerf Bars - Mandatory**

Front and rear bumpers are required.

Full width rear bumpers are recommended. Front of kart should have a full width bumper or a body panel that covers the front end including the wheels.

Nerf bars are of max 1” O.D. tubing are required and may not extend past the outside of tires.

Bumpers and nerf bars must have rounded ends.

No sharp edges.

# STARS – SOUTH TEXAS ARENA RACING SERIES – 2026 RULES

## **Roll Cages**

- Roll Cage is required
- Cage must be constructed of quality material in a safe manner
- Cage must be securely mounted to the frame

## **Wheels**

- Any steel or aluminum wheels allowed.
- Wheel spacers between the wheel and HUB are not allowed.

## **Tires**

- Turf Type Tires allowed.

## **Fuel**

- Gasoline only.
- No Racing Fuel or E85.
- Aftermarket fuel tanks are allowed.

## **Drive train**

- Must be live axle type
- Must be chain driven
- Chain guard must be in place between chain and driver

## **Clutches**

- Shoe type clutches allowed no disk type clutches.

## **Weight**

- Minimum weight is 400 lbs, after the Race with driver in kart

## **Brakes**

- Must have (2) rear wheel brakes.
- Brakes must be in good working order.
- Must have guard in place over brake rotor.
- No front Brakes allowed.

## **Engine**

**Only the Predator 6.5 HP (212 cc) HORIZONTAL SHAFT OVERHEAD VALVE GAS ENGINE IS ALLOWED! These motors are sold at Harbor Freight. The Hemi or non-Hemi are both allowed.**

- Any exhaust is allowed, must have flanged end.
- The Governor may be disconnected.
- The air cleaner can be replaced with any style of air cleaner.

## **Cam**

- Hemi – CL3 , Non-Hemi-CL3 Pred

## **Valve Springs**

- Stock Diameter – 22lb max Part Number- Hemi and Non-Hemi – DCS-BP

## **Head Gasket**

- Hemi-212-1312 , Non-Hemi CL1310P

## **Fly Wheel**

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- Hemi – DC-PVL-PRED
- Non Hemi – DC-PVL-FW
- ARC 6695 & ARC 6696

## **Carb**

- Stock or the followed part numbers
  - Hemi – CL-1225-BP
  - Non-Hemi – CL-1225-BP
  - (These carbs are exactly same a stock and must tech out the same)

## **Connecting Rod**

- Hemi – ARC-6254
- Non-Hemi-ARC-6254

## **Ignition Timing**

- Open

## **Cam Timing**

- Open

No other machining allowed

Oil return hole in block may be drilled out to 1/4”

Stock Connecting Rod should be checked for proper oil Clearance

No Taping of recoil or blower housing allowed.

No mixing parts between engine models

**Questions about rules call Owen Pittman 361-548-0669**