

THUNDER VALLEY SPEEDWAY

WINGED SPRINT CLASS RULES 2023

- Any sprint chassis is permitted.
- The roll cage **must** be of (4) four post design.
- Dirt champ cars are not permitted.
- All chassis are subject to tech and safety inspection at *any time* and will only be accepted when design, materials, and quality of construction have met with approved practices.
- Wall thickness of main cage tubing **must** be .095" chromoly tubing or thicker.
- Minimum wheelbase is 83", maximum wheel base is 92".

BODIES

- Bodies are **required**, style optional.
- Hoods are **mandatory** and **must** cover the radiator and engine compartment.
- Belly pans or floor boards **must** extend from frame rail to frame rail and from the front fire wall to the rear of the foot area.
- Sub flooring or foot retainers **must** be attached to the frame rails and **must** keep feet inside of the car.
- Floor boards or belly pans under the fuel cell are not permitted.
- Top wing style optional.
- 25 square foot maximum area, 55 square foot total wing area including side panels.
- All rear wing mounts **must** be located outside the roll cage.
- Driver adjustable or hydraulic slider wings are permitted.
- Center foil **must** be fully sheathed in aluminum and side panels must be aluminum.
- Center foil **must** be a one-piece construction.
- Split or bi-wings are not permitted.

BUMPERS

- Front bumpers, rear bumpers, and side nerf bars are **mandatory**.
- Front bumpers **must not** extend more than 8" past the front face of the front torsion tube.

ROLL CAGE

- **Must** be a minimum of a four (4) point roll cage.

IGNITION

- Ignition switch **must** be a toggle or push/pull type and clearly marked with ON/OFF.
- Key type switches are not permitted.

SUSPENSION

- **Must** have at least one working shock absorber per wheel.
- Remote or cockpit adjustable and/or remote reservoirs are not permitted.
- 8.9 Seat

STEERING

- Steering type optional.
- Pitman arm **must** be outside of cage.

- Quick release steering wheel **required**.

REAR ENDS

- Any type rear end allowed. However, independent rear ends are not permitted.

BRAKES

- Brake rotors **must** be made of steel, aluminum, or titanium only.

TRANSMISSION

- Any transmission or in and out box is permitted.
- All drive lines **must** be broken in the coupler or rear slider.
- The drive line **must** be fully enclosed and contain no more than one U-joint or CV joint.
- Torque arm drive lines are not permitted.
- A safety hoop that is securely attached to the chassis is **required**.

FUEL DELIVERY SYSTEMS

- SFI approved sprint style fuel tank **required**.
- **Must** be vented with a check valve.
- Fuel cap **must** be threaded or an approved racing type.
- Fuel shut off valve **required**.
- A toe strap on the throttle pedal is **mandatory**.
- Methanol
- gasoline
- ASCS gaskets **mandatory** on non ascs heads
- 23 degree heads **mandatory** with ascs gaskets
- Mufflers or insert mufflers optional

ENGINES

- Offset engines are not permitted.
- Engine **must** be directly in front of the driver.
- Driver **must** straddle the drive line.
- Cast iron blocks *only*, any manufacturer, aluminum blocks NOT permitted
- 360 cubic inch, variance for boring.
- 3.5" stroke or less

CYLINDER HEADS

- Cylinder heads **must** match engine type, GM for GM etc.

SAFETY GEAR

- SFI rated fire suits are **mandatory**
- SFI rated gloves are **mandatory**
- SFI rated racing shoes are **mandatory**
- Arm restraints are very *highly* recommended
- Neck restraint is **mandatory**, HANS device is highly recommended
- Fire suppression system is highly recommend
- Full face racing helmet with a snell rating **mandatory**