

# 2024 OUTLAW FIGURE 8 RULES

\*\*Need Also Read the Speedrome Rules of Competition and Pit Area Rules & Guidelines\*\*

\*\*Car Number Registration and a Completed W-9 Required before Competition\*\*

## MEASURABLES

- A. WEIGHT – 2,450 pounds minimum with driver before going on track
- B. WHEELBASE – 100” minimum measured from center of hub to center of hub
- C. TRACK WIDTH – *(CURRENTLY IN RESEARCH) since a maximum width has not been listed for years, we will be checking with teams and looking at current cars to establish this number*
- D. WHEELS – 10” maximum width measured from bead to bead, any offset wheel is allowed, *(UP FOR DISCUSSION) having a common 10” wheel width for all events including the World Figure 8 Championship*
- E. “AERO” ITEMS
  - 1. ROOF – any style with 62” maximum height measured at ANY point (including wicker bills), a roof is not required, *(UP FOR DISCUSSION) no part of the roof can extend more than 12” in front of the main roll cage for safely being able to view the flagman and for roofs with or without wings eventually going all the way to the front bumper*
  - 2. ROOF SIDE WINGS – if used these also fall under the 62” maximum height and be made of clear material, sponsor logos are fine without solidly filling the area
  - 3. SIDEBOARD WINGS – 62” maximum height (including wicker bills) measured from the ground, forward part cannot cover ANY part of the driver compartment opening
  - 4. DRIVER OPENING – 12” minimum height opening is required for the entire length of the drivers compartment on both sides for driver escape and access for safety personal
  - 5. REAR SPOILER – 43” maximum height (including wicker bills) measured from the ground, must be made of clear material, sponsor logos are fine without solidly filling the area
- F. FRONT BUMPER – 64” maximum width measured from end to end with NO SHARP EDGES, an upper hoop with center uprights is required
- G. REAR BUMPER – Maximum width is not to exceed the outside of the tires with NO SHARP EDGES, a lower hoop with center uprights is required
- H. ENGINE LOCATION – 8” maximum set back measured from the ball joint to the front spark plug, 10” minimum height ground clearance measured off the crank

## CHASSIS GUIDELINES

- A. OVERALL – entire chassis is to be fully fabricated of structural steel tubing, cars previously built with a factory/streetcar front clip are still eligible, no full factory/streetcar frames/chassis
- B. CAGE – main cage must begin with a 4-point cage, all parts of the cage to be built of a minimum of 1 1/2” round steel tubing, key stress points must have steel gussets for reinforcement
  - 1. DOOR BARS (Driver’s Side) – must have 4 equally spaced horizontally mounted door bars curved outward as far left as possible with at least 3 equally spaced vertical bars between each (including to the frame), all must be covered by a 1/8” steel plate to protect from piercing from the outside
  - 2. DOOR BARS (Passenger Side) – must have at least 3 equally spaced horizontally mounted door bars straight or curved outward with at least 3 equally spaced vertical bars between each
  - 3. FOOT BOX AREA – multiple curved outward horizontal bars must be added with multiple vertical bars between each to protect the driver's legs/feet, covering all by a 1/8” steel plate to protect from piercing from the outside is highly recommended
- C. ADDITIONAL BARS NEEDED INCLUDE:
  - 1. a diagonal bar that goes from top to the bottom of the rear vertical hoop behind the driver
  - 2. a bar connecting the left and right of the vertical hoop at seat height and welded to the diagonal bar
  - 3. a bar connecting the legs of the rear hoop at their base, or it is recommended that an X connects the left and right frame rails at the points the front legs and rear hoop are connected
  - 4. a bar installed across the dash area connecting the left roll cage leg to the right roll cage leg
  - 5. any additional support bars for safety are welcome

## **DRIVETRAIN NOTES**

- A. OVERALL – engine, transmission, and rearend choices are that of the race team as well as items connected to or in relation to those choices other than that are detailed within these rules
  - 1. radiator is to contain NO ANTIFREEZE, a securely mounted water overflow tank is required, the cooling fan must be shrouded at the top to prevent injury
  - 2. carburetor throttle linkage must have two fail-safe return springs on the throttle shaft that provides enough pressure to return the throttle to a closed position in case of linkage failure, the throttle linkage must be constructed from rod (no cable), a throttle "comeback" enabler is mandatory
  - 3. oil filters/systems/coolers may be moved but must remain inside the frame rails
  - 4. NO traction control devices and/or systems
  - 5. the driveshaft must be one piece open of at least 3" in diameter painted white, it is to be encircled by a minimum of two 360-degree steel hoops (min. 1 1/2" wide by 1/4" thick) for driver safety
  - 6. fuel must be pump or racing gasoline, no alcohol or methanol
  - 7. a racing fuel cell must be used (maximum 22-gallons), it must be enclosed in a steel can and inside of a cage built of 1 1/2" tubing with a 1/8" steel plate or 1/4" aluminum plate covering the rear side
  - 8. battery must be securely mounted either in front of the rear axle between the frame rails and behind the driver compartment or if in the driver's compartment to be completely enclosed in a covered box

## **DRIVER SAFETY & DRIVER AREA**

- A. UNIFORM – a complete made-for-racing fire-resistant racecar uniform and gloves are required
- B. HELMET – a clearly labeled helmet that meets or exceeds the 2010 SA Snell or SFI 31.2 standards must be worn at all times while a race is going on even if parked away from the action, driver must also make use of an approved neck collar or Hans-style safety device in competition
- C. COMMUNICATION – a RACEceiver is required for one way communication from the track, two way or one way communication devices of ANY kind from pit crew or spotters are NOT allowed
- D. SEAT – a purpose-built made-for-racing seat must be securely mounted as far from the door bars as possible and in front of the rear hoop of the roll cage
- E. BELTS – a securely mounted to the roll cage five point safety belt assembly with belts a minimum of 3" wide is required, the manufacturers date must be clearly visible and be no less than 4 years old
- F. WINDSHIELD BARS – a minimum of 3 vertical solid steel rods of at least 1/2" diameter must be welded to the roll cage in front of the driver area, bars may be no more than 5" apart, a plexiglass windshield on these bars is recommended
- G. INTERIOR – the driver compartment shall be complete keeping the driver from being exposed to fire or debris from the engine and rearend areas
- H. EXIT OPENINGS – no items shall interfere with a driver's ability to exit the car via the driver or "passenger" side of the car or to be extricated from either side by safety personal

## **BODY**

- A. OVERALL – the overall body design is open to creativity without prohibiting the operation of the car mechanically and safely, this includes the sightlines for the driver and the sightlines of the other competitors, the body must be mounted smoothly with no protrusions on the exterior surface and securely fastened to prevent loosening or loss on the racetrack
- B. HOOD/COWLING – a hood covering the entire engine compartment and cowl area is required at all times to prevent fire and fluids from reaching the driver, openings cut out for the air cleaner/breathers must remain close to those objects
- C. RUBRAILS – must be mounted as close to the body as possible and both ends curved inward to the frame rails, any upper hoop shall not lean outward, there are to be NO SHARP EDGES anywhere

## **SHOCKS & SPRINGS**

- A. SHOCKS – Any *(UP FOR DISCUSSION) lowering overall costs by implementing guidelines for a less sophisticated shock package as well as the total amount of overall shocks allowed on a car*
- B. SPRINGS – Any *(UP FOR DISCUSSION) not allowing bump stops*

## TIRES

- The spec Outlaw Figure 8 tire for all Speedrome events including World Figure 8 Championship 3-Hour Figure 8 weekend is the Hoosier F53 sold only at the track.
- Tire purchase limitations and tire impound program will continue this year.
  - Teams can only purchase a maximum of:
    - 2 new tires for events with a feature race less than 150 laps.
    - 4 new tires for events with a feature race 150 laps & longer
    - 4 new tires for the season points opening night. If your first race night is after the opening points night, you must abide by that events tire limit.
    - World Figure 8 weekend new tire maximum purchase quantities will be detailed on that event's web page.
  - Purchasing new tires is NOT required for any event. Running used Hoosier F53's are perfectly fine.
  - New tires will ONLY be sold for race events. New tires will NOT be sold for track rental testing sessions or practice.
- Impound
  - New tires will be mounted and stay impounded until after final practice ends or a specific designated time for release at that event. Tires can be purchased, mounted, and placed in impound during the week of an event.
  - Serial numbers are important.
    - Serial numbers will be written down by the track for your new tires and for what car they belong to. Those tires must be on that car and that car only for that events feature. If they are not on that car, that car will not be allowed on the racetrack. If they are on another car, that car and your car will not be allowed on the racetrack.
    - New tires must be raced to half distance on shorter races of 75-laps or less and at least 50 laps in longer races for those tires to then be deemed as used tires going forward. If you do not reach this mark, you cannot buy any new tires at your next event and those same tires must be raced again in that next event's feature. Track has final say on tires being deemed used.
- Changing tires that are not flats during a feature event can result in a 5 lap penalty (for example: pitting under a red in the last part of the 90-minute race for 2 fresher used tires).
- Soaking, treating or chemically altering of new or used tires in any way is NOT allowed. Those caught are subject to disqualification, suspension, and fines. Tires can be checked at any time. Top finishers in the feature will be checked after the event. If samples are taken and sent to the lab, prize money checks will be held pending result for all parties affected. Track decisions are final.
- These rules are for YOUR BENEFIT! It helps keeping costs down and a more level playing field for teams of ALL BUDGETS and skill levels!

<b>2024 OUTLAW FIGURE 8 DIVISION REGULAR SEASON EVENT PRIZE MONEY</b>									
	Dash 4 Cash	Figure 8 Heat	Oval Feature	50 Lapper	75 Lapper	100 Lapper	Jake's 150	One Hour	Spring Shootout
1	100	125	500	1150	1450	1600	5000	7500	10,000
2	75	100	275	650	750	850	2500	3500	4000
3	50	75	225	500	650	725	1750	2000	2500
4	25	50	175	450	500	600	1500	1750	2000
5	-	40	150	400	475	525	1000	1000	1750
6	-	25	125	375	425	475	900	950	1400
7	-	25	115	350	400	425	850	900	1300
8	-	25	110	325	375	400	800	850	1200
9	-	25	105	300	350	375	750	800	1100
10	-	25	100	290	325	350	700	750	1000
11	-	25	75	270	300	325	550	600	900
12	-	25	75	200	275	300	525	575	850
13	-	-	75	175	200	225	500	550	825
14	-	-	75	175	200	225	475	525	800
15	-	-	75	175	200	225	450	500	775
16	-	-	75	175	200	225	425	475	750
17	-	-	75	175	200	225	400	450	725
18	-	-	75	175	200	225	375	425	700
19	-	-	75	175	200	225	350	400	650
20	-	-	75	175	200	225	325	375	600
Field	-	-	75	175	200	225	300	350	400
BONUS: Participating driver and car combinations traveling from outside the state of Indiana & Kentucky will receive an extra \$200 in their final evening's payout									

**SEASON POINT FUND**

- Those drivers placing in the top ten in the final points standings are eligible for bonus money if they participate at all regular season events and attend the awards banquet. Those bonuses are:
 

1st – \$5000	2nd – \$1500	3rd – \$1250
4th – \$1000	5th – \$750	6th – \$500
7th – \$500	8th – \$500	9th – \$500
		10th – \$500