

3.2 JUNIOR DRAGSTER ELIMINATOR

CLASS DESIGNATION: /JD, /JFC - DIAL YOUR OWN HANDICAP

ELIMINATOR:

JUNIOR DRAGSTER



Junior Dragster Eliminator - Cooper Plummer, #1321
(Outlaw images)

Class Description;

Junior Dragster Eliminator was created by ANDRA for competitors between the ages of 8 years old (10 years old in WA) and 17 years old inclusive, racing scale Dragsters and Funny Cars, replicas of the sport's fastest cars **as well as Junior Roadsters which are newly introduced in 2024.**

The dial your own handicap system is used and Junior Dragster Eliminator is limited to competition over 1/8 mile.

- ◇ **NOTE: All applicable Eliminator / class rules will apply to the Junior Funny Car and Junior Roadsters as it does for Junior Dragster.**
- ◇ **NOTE: All General Regulations must be read and complied with where applicable.**

Three categories / performance levels are provided.

A/JD, A/JFC & A/JR

For drivers between the ages of 13 and 17 years, limited to ET no quicker than 7.900 seconds and Top Speed no faster than 89.99 mph (144 km/h).

B/JD, B/JFC & B/JR

For drivers between the ages of 11 and 17 years, limited to ET no quicker than 8.500 seconds and Top Speed no faster than 80.00 mph (128 km/h).

C/JD, C/JFC & C/JR

For drivers between the ages of 8 and 10 years inclusive, limited to ET no quicker than 11.900 seconds and Top Speed no faster than 60.00 mph (96 km/h).



AUSTRALIAN NATIONAL DRAG RACING ASSOCIATION LTD

Class Regulations;

A one-time-only allowance of one tenth of a second (0.10 seconds) during qualifying rounds only for breaching class limits. Any competitor running faster than the one tenth of a second allowance to class limits or running a time within the one tenth of a second allowance to the class limit more than once, will be immediately disqualified and take no further part in that event. Persistent breaches of exceeding class limits will be considered a contravention and Tribunal Action may result.

Class	One tenth of a second (0.1sec) allowance from Class Limits, during Qualifying Rounds only	Qualifying Class Limits (seconds)	Racing / Competition Class Limits (seconds)
A/JD A/JFC A/JR	Not faster than 7.800	8.000	7.900
B/JD B/JFC B/JR	Not faster than 8.400	8.600	8.500
C/JD C/JFC C/JR	Not faster than 11.800	12.000	11.900

The top qualifier will be the competitor that achieves a time closest to their qualifying class limit than the other competitors, without breaking out. This qualifying method will be continued throughout the field e.g. A C/JD running a 12.010 second pass will qualify above a A/JD running a 8.020 second pass.

- ◇ **NOTE: Please be advised that it is the responsibility of Parents / Guardians of Junior Dragster Eliminator competitors to withdraw your racer / racers completely from any event, where they run quicker than the allowable ET cut off, as detailed above. If this is not done, a penalty of two meeting suspensions will be imposed and any points gained at that event will be forfeited. Repeat offenders will face up to 12 months suspension and up to a \$1000 fine. After the event is completed, all run sheets will be checked, and any team found to have breached this rule will be notified.**

Paired Runs: Paired runs between Junior Dragster Eliminator vehicles and those from any other category is prohibited.

A/JD, A/JFC & A/JR Performance Testing: Competitors must complete six runs between 8.500 and 8.900 seconds to the satisfaction of the Officials at ANDRA events to be eligible for competition in A/JD, A/JFC and/or A/JR. These runs must be individually noted in the Junior Competitor Passbook and may be run at a combination of events at multiple tracks.

Junior Crew Members: Junior Dragster Eliminator crew members aged between 8 and 14 years must be supervised by an adult crew member.

Staging Procedure: Once the competitor has gone through / past the water-box and is considered to be in the hands of The Starter, the competitor may only be pushed back once by their crew and may then only perform one water burnout and/or one dry burnout.

Parent / Legal Guardian: A parent or legal guardian must consent to and be responsible for the actions of the Junior Competition Licence holder. The parent or guardian must be a current Full ANDRA Member as a minimum. Only a current full ANDRA Member may witness a Junior Competition Licence holder entry and ESP form.

Pit and Paddock Area: Junior Dragster **Eliminator** competitors must not drive the vehicle under its own power through the pit / paddock area. Returning vehicles must be towed (or pushed) by a compliant tender vehicle. The junior competitor can drive the vehicle under its own power to an area within the normal return road, that does not block or hinder other traffic, then must bring the vehicle to a stop and await collection by the tender vehicle for returning to the pits / paddock area.

Airfoils / Wings: Suitably mounted wings are permitted.

Arm Restraints: Required on all vehicles of this type. Refer Driver and Rider Protection, Arm Restraints.

Ballast: Removable ballast is limited to 25 lbs (11.33 kg) and can be in any location, but no higher than the top of the rear tyres.

Body: Required. Specific Body regulations are as below:

Dragster Body: Body and cowl must be constructed of Aluminium or fibreglass or composite material, designed to prevent driver's body or limbs from coming into contact with any moving part of the car or the track surface, Dragster style bodies only permitted. **Cover or canopy over cockpit prohibited.**

Funny Car Body: Body to be constructed from Aluminium or fibreglass or composite material. Body Dimensions overall length 3650 mm, height 880 mm width 960 mm, all measurements to be +/- 2%. A wing is optional but may not extend more than 150 mm from the rear of the body, Sill plates are not to be more than 150 mm high. Front windscreen only, made of approved shatterproof material, or Polycarbonate. There must be an opening in the side of the bodywork adjacent to the driver's compartment that is large enough to allow egress of the competitor in the case of a vehicle being on its roof. Arm Restraints as per rules. Top hatch minimum size 400 mm x 340 mm, (15.75 inch x 13.38 inch) fixed hinge on the front edge. No latching of the hatch permitted. The hatch position must allow easy egress once the racer has cleared the rollcage internally to stand and exit the hatch. Exhaust pipe to extend and exit 50 mm (2 inch) past the rear of the body. Allowing adequate clearance between the pipe and the bodywork. Body to be hinged at the rear of the chassis with quick release pins. Front retaining clips to be quick release. Rear axle to be extended in width so that the wheels are within the body wheel arches. Width of axle must be greater than the height of the body. External body lift points must be clearly marked. The internal body to be coated in a flame retardant paint. Fuel tank to be relocated to the front of the chassis, securely mount to the chassis with anti-leak valves. Fuel lines to be either braided or metal and not to pass into the cab area. Fuel lines to pass around or under the floor / side bodywork of the chassis.



Roadster Car Body: Body must be NHRA accepted roadster style / design. Junior Roadsters may be Centre Steer or Side Steer (left or right hand drive). Cover or canopy over cockpit prohibited.

Front overhang not to exceed 26 inches (660 mm), measured from centerline of front spindle to forwardmost point of car.

Driver compartment, frame structure, rollcage, and body must be designed to prevent driver's body or limbs from making contact with wheels, tyres, exhaust system, or track surface.

Any portion of the body side panels that extend upward into the driver's line of sight must be clear and permit an unobstructed horizontal view for a minimum of 180 degrees.

Body may not cover top of engine, wheels, or tyres.

Only OEM-style mirrors, mounted in the conventional fashion, permitted.

Outside rear tyre to outside rear tyre maximum width not to exceed the overall width of the rear wheel wells / body.

All Center Steer Roadster and Side Steer Roadster rollcage and chassis construction must meet the minimum requirements for NHRA JR. chassis as listed in the Jr. Drag Racing League rules section of the NHRA rulebook. Rollcage height may not exceed 18 inches (457 mm) as measured from the top of shoulder hoop the top of the rollcage.

The driver's area must have full floor constructed from 0.6 mm (.024") steel or 0.8 mm (.032") aluminum or carbon fiber and extend from the driver's seat to the bulkhead.

Left and right-side vertical intrusion panels mandatory for the length of the driver's compartment constructed from 0.6 mm (.024") steel, 0.8 mm (.032") aluminum or carbon fiber.

Primary support of rear axle mandatory. Secondary axle support must be within 12 inches (305 mm) of rear wheel hubs. Secondary axle support may not be required if primary support is within 12 inches (305 mm) of rear wheel hubs.

Centre Steer Roadster Body: Maximum body width not to exceed 35 inches (890 mm). Outside rear tyre to outside rear tyre minimum width to be 31 inches (785mm).

Side Steer Roadster Body: Maximum body width not to exceed 50 inches (1270 mm). Outside rear tyre to outside rear tyre minimum width 44 inches (1117 mm). Minimum front tyre track width 36 inches (915 mm).

Brakes: Must operate on both rear wheels. A single disc brake with minimum diameter of 7 inches (178 mm), or twin disc brakes with a minimum of two 5 inch (127 mm) discs.

Chain / Belt Guard: All cars must be equipped with a metal guard covering the width and top of chain and belt runs. Minimum thickness required is 3.0 mm (1/8 inch).

Clothing: SFI 3.2A/1 or FIA 8856-2000 driving suit as a minimum for Junior Dragster. SFI 3.2A/5 or FIA 8856-2000 as a minimum for Junior Funny Car and Junior Roadster. Driving suit may be one-piece or two-piece.

Fire resistant shoes, socks, and gloves required. No flammable footwear or clothing permitted. Refer Protective Clothing.

Controls: Foot operated brake and throttle required. Positive ignition shut-off within easy reach of the driver is mandatory. Kill switches to be externally mount at the rear of the body and appropriately signed. A mechanical high tension earthing device, operable by the driver, to shut down the engine is also compulsory.

Deflector Plate: A metal deflector plate of minimum 1/16 inch (1.6 mm) must extend from the lower frame rail between the engine and the driver the width of the chassis rails and to the height of the driver's shoulders (shoulder hoop as a minimum) and extend to the first bend in the rollcage at a minimum width of 6 inches (152 mm).

Delay Devices: The use of delay devices is not permitted.

Driveline: Chain or belt drive only. All cars must be equipped with a dry centrifugal type engine clutch. Torque converter belt assembly units permitted. All Junior Dragster **Eliminator vehicles** are required to have a Steel or billet Aluminium Flywheel or a Flywheel Shield made from 3 mm Steel or 6 mm Aluminium.

Engine: Any four stroke, single cylinder, side valve engine accepted by NHRA (US) and those currently accepted by ANDRA. Any modifications permitted. Engine must be located ahead of rear axle centreline. **Junior Roadster maximum engine height measured from the ground to top of cylinder head not to exceed 36 inches (915mm).**

Floor: Floor must be mounted on top of lower frame rail cross braces, and extend from the driver's seat to 6 inches (152 mm) beyond the pedals.

Junior Roadster driver's area must have full floor constructed from 0.6 mm (.024") steel or 0.8 mm (.032") aluminum or carbon fiber and extend from the driver's seat to the bulkhead.

Frame: Five point rollcage, upper and lower frame rails: minimum 1 1/8 inch (28 mm) round Steel tubing. Uprights: minimum 7/8 inch (22 mm) round Steel tubing, may be no further than 20 inches (508 mm) apart when measured on the same side of the vehicle in driver's compartment area (see diagram in 4.14.3 Junior Dragster). Diagonals: minimum 3/4 inch (19 mm) round Steel tubing. Tubing thickness and design must conform with standard Dragster configuration.

Fuel: Restricted to Ethanol, Methanol or Petrol only.

Frontal Head Restraints: Any driver of a Junior Dragster **Eliminator vehicle** is required use a Frontal Head Restraint system meeting either SFI 38.1 or FIA 8858-2002 or FIA 8858-2010.

The Frontal Head Restraint, when connected, must conform to the manufacturer's instructions. A Frontal Head Restraint may be used with or without a neck collar. Where required, the fitment of tether post and eyelets to helmets must only be done in accordance with the manufacturers guidelines and only if the helmet is approved for the purpose. When using a Frontal Head Restraint, at all times that the driver is in the race vehicle, from when the vehicle is in the hands of The Starter until the vehicle is on the return road, the driver must properly utilise the Frontal Head Restraint, including connecting the helmet as required for full functionality of the device.

Helmet: Required. Full faced helmets only. Open faced helmets are not permitted. Modular (flip-up) helmets are not permitted. It is recommended that all junior competitors have helmets correctly fitted to their body size and weight (in accordance with the manufacturer's specifications).

Permitted to use FIA 8859-2015, FIA 8860-2018, SNELL SA2020, SNELL M2020, SNELL SA2015, SNELL M2015, SFI 24.1, SFI 31.1, SFI 41.1, AS/NZS 1698:2006, ECE 22.05, **ECE 22.06**. Helmet must not be more than 10 years old from date of manufacture. **Full face helmet required, open faced helmets not permitted, modular (flip-up) helmets not permitted.**

Induction: Carburettor only. No power adders or fuel injection permitted.

Minimum Weight: Minimum weight of 225 lbs (102 kg) excluding driver and apparel.

Racing Harness / Belts: Five point harness required.

Seat: Properly braced and supported seat constructed of Aluminium or fibreglass or composite material mandatory. Upholstery optional.

Silencers / Mufflers: All Junior Dragster **Eliminator vehicles** are required to have an effective silencing device which limits noise levels to a maximum of 95 dBa measured at 4000 rpm at a distance of 30 metres directly to the rear of the vehicle. Measurement is to be taken in a location where ambient noise registers less than 60 dBa.

Steering: A collar or pin must be used to prevent the steering shaft from injuring the driver in case of frontal impact.

Throttle: Throttle must be manually controlled by driver's foot. Electronics, pneumatics, hydraulics or any other device must in no way affect throttle operation. All vehicles must be equipped with a positive throttle return spring that closes the throttle when released. Electronic Throttle Stops are not permitted, refer Delay Devices.

Transmission: Gear type transmission prohibited.

Tyres: Rear tyres minimum diameter of 18 inches (457 mm), maximum 21 inches (533 mm), minimum width of 8 inches (203 mm) measured at widest point.

Wheelbase (Dragster / Funny Car): Minimum wheelbase 90 inches (2286 mm), maximum 150 inches (3810 mm).

Wheels: Rear wheels minimum diameter of 8 inches (203 mm).

Front wheels minimum diameter of 5 inches (127 mm).

Licence Requirement: Junior Competition Licence (JCL). Refer ANDRA Racing Credentials, Junior Competition Licence (JCL).

The Junior Competition Licence is issued to applicants between the ages of 8 (10 in WA) and 17 years old, for participation in Junior Dragster Eliminator. Existing participants who turn 18 during a recognised series will be permitted to complete that series. All new JCL applicants must include a copy of the applicant's birth certificate, and consent of the parent or legal guardian, who must be a current Full Member of ANDRA, is required. A medical examination is also required at the time of a JCL application and every 2 years thereafter.

Technical Inspection and Vehicle Logbook: Required.