



JUNIOR DRAG BIKE

CLASS REGULATIONS

Revised 15th August 2023

Is for children between the ages of twelve and eighteen years inclusive. Racng Production Street Motorcycles of any age, modified to the limits described in the class regulations. Purpose-built drag racing motorcycles with fully fabricated frames based on Production Street Motorcycles may be granted.

A/JDB for riders between the ages of 13 and 18 years inclusive. Limited to ET no quicker than **8.50** seconds and Top Speed no faster than **82.02mph (132kph)** *Class engine capacity limits 161cc to 350cc*

B/JDB for riders between the ages of 12 and 18 years inclusive. Limited to ET no quicker than 9.90 seconds and Top Speed not faster than 70mph (113kph) *Class engine capacity limits 120cc to 160cc*

All competitors must comply to all Safety and General Regulations

Junior Dragster Licence Required

Membership required for Parent/Legal guardian if not current IHRA licence holder

IHRA Technical Inspection Required (includes logbook) one logbook per vehicle.

48000	Class Reg	Junior Drag Bike		Bracket Designation	Junior Drag Bike was created for competitors between the ages of twelve and eighteen inclusive racing ADR-approved Production Street Motorcycles, modified to the limits described in the class regulations.	Mandatory
48010	Class Reg	Junior Drag Bike		Bracket Designation	A/JDB for riders between the ages of 13 and 18 years inclusive, limited to ET no quicker than 8.50 seconds and Terminal Speed not faster than 82.02 mph (129 km/h). Class engine capacity limits 350cc maximum.	Mandatory
48020	Class Reg	Junior Drag Bike		Bracket Designation	B/JDB for riders between the ages of 12 and 18 years inclusive, limited to ET no quicker than 9.90 seconds and Top Speed not faster than 70 mph (113 km/h). Class engine capacity limits 120cc to 160cc original capacity	Mandatory
48030	Class Reg	Junior Drag Bike		Bracket Designation	Two-stroke and off-road motorcycles are not permitted. Capacity limits apply to the original displacement of the engine.	Mandatory

48040	Class Reg	Junior Drag Bike		Racing Procedure	A one-time only allowance of one tenth of a second during qualifying rounds only for breaching class limits. Any vehicles running faster than the one tenth of a second allowance or running a time within the one tenth of a second allowance more than once, will be immediately disqualified and take no further part in that event.	Mandatory
48050	Class Reg	Junior Drag Bike		Racing Procedure	A one-time only allowance for excessive wheel standing during qualifying rounds. Any motorcycle running outside this allowance more than once, will be immediately disqualified and take no further part in that event. Excessive wheel standing is defined as a deliberate and sustained wheel stand. To be determined by IHRA Australia Chief Steward or his designated observer. Persistent breaches of exceeding class limits may result in tribunal action. Class: One tenth of a second allowance (during qualifying rounds only)	Mandatory
48060	Class Reg	Junior Drag Bike		Racing Procedure	Qualifying Class Limit A/JDB not quicker than 8.400 sec 1/8 mile, 'once only'	Mandatory
48070	Class Reg	Junior Drag Bike		Racing Procedure	Qualifying Class Limit B/JDB not quicker than 9.800 sec 1/8 mile, 'once only'	Mandatory
48080	Class Reg	Junior Drag Bike		Racing Procedure	Elimination Class Limit A/JDB not quicker than 8.500 sec 1/8 mile	Mandatory
48090	Class Reg	Junior Drag Bike		Racing Procedure	Elimination Class Limit B/JDB not quicker than 9.900 sec 1/8 mile	Mandatory
48100	Class Reg	Junior Drag Bike		Racing Procedure	If parent/guardian fails to withdraw their racer from event due to exceeding ET cut-off limits, then racer is suspended for 2 meetings and parent/guardian fined \$1,000. After the event is completed, all run sheets will be checked and any team found to have breached this rule will be notified, and the racer will be removed from the racing results with a fine implemented.	Mandatory
48110	Class Reg	Junior Drag Bike		Racing Procedure	The Top Qualifier for the JDB Eliminator will be decided by the quickest Elapsed Time relative to class minimum. IE: A/JDB = 8.50. B/JDB = 9.90.	Mandatory
48120	Class Reg	Junior Drag Bike		Racing Procedure	Paired Runs: Paired runs between Junior Drag Bikes and those from any other category is prohibited.	Mandatory
48130	Class Reg	Junior Drag Bike		Racing Procedure	Performance Testing: A/JDB Competitors must complete six runs between 8.50 and 9.40 seconds to the satisfaction of the officials at IHRA Australia sanctioned events to be eligible for competition in A/JDB	Mandatory
48140	Class Reg	Junior Drag Bike		Racing Procedure	Performance Testing: B/JDB Competitors must complete six runs representative of the class to the satisfaction of the officials at IHRA Australia sanctioned events to be eligible for competition in B/JDB. These runs must be individually noted on the appropriate licencing forms and may be run at a combination of events at multiple tracks	Mandatory
48150	Class Reg	Junior Drag Bike	Helmet	Safety	Helmet: Refer to IHRA Australia Helmet Matrix visit the IHRA Australia Website at: https://ihra.com.au/helmets.html	Mandatory
48160	Class Reg	Junior Drag Bike	Driver / Rider	Safety	Leathers, either one - or two - piece leathers visit the IHRA Australia Website at: https://ihra.com.au/protective-clothing.html	Mandatory
48170	Class Reg	Junior Drag Bike	Driver / Rider	Safety	Two - piece comprising jacket and pants: Jacket must overlap pants and provide full coverage.	Mandatory
48180	Class Reg	Junior Drag Bike	Driver / Rider	Safety	Leather motorcycle riding gloves with cuff or wrist closure. Gloves and jacket must overlap with NO skin visible. visit the IHRA Australia Website at: http://ihra.com.au/protective-clothing.html	Mandatory

48190	Class Reg	Junior Drag Bike	Driver / Rider	Safety	Full leather boots extending at least 150mm from the base of the heel required as minimum.	Mandatory
48200	Class Reg	Junior Drag Bike	Driver / Rider	Safety	Back protectors: Riders must wear a commercially manufactured back protector.	Mandatory
48210	Class Reg	Junior Drag Bike	Driver / Rider	Towing	Junior Drag Bike competitors may ride or be towed from their pit area to the staging lanes and from the tracks collection area following a run by their parent / legal guardian or track official, with the assistance of a lead escort. Helmets must be worn during this process.	Mandatory
48230	Class Reg	Junior Drag Bike		Racing Procedure	Self starting required	Mandatory
48240	Class Reg	Junior Drag Bike		Racing Procedure	Push starts are prohibited.	forbidden
48250	Class Reg	Junior Drag Bike	vehicle	Credentials - driver/rider	Technical Inspection: Mandatory for all Junior Drag Bikes.	Mandatory
48260	Class Reg	Junior Drag Bike	vehicle	Log Book	IHRA Australia Log Book Required.	Mandatory
48270	Class Reg	Junior Drag Bike		Racing Procedure	All junior competition to be completed by 10.00pm	Mandatory
48280	Class Reg	Junior Drag Bike		Racing Procedure	Race distance 1/8 Mile.	Mandatory
48290	Class Reg	Junior Drag Bike		Racing Procedure - Start	Full tree - dial your own index	Mandatory
48300	Class Reg	Junior Drag Bike		Engine	Engine: OEM Engine for model used required.	Mandatory
48310	Class Reg	Junior Drag Bike	Cooling System	Engine-Coolant	Water Coolant: Non-glycol based and suitable for motorsport	Mandatory
48320	Class Reg	Junior Drag Bike	Cooling System	Engine-Coolant	Glycol and glycol-based coolant additives.	Forbidden
48330	Class Reg	Junior Drag Bike	Engine	Engine	Any internal modifications permitted	Allowed
48340	Class Reg	Junior Drag Bike	Engine	Ignition	Any ignition with the exception of external magneto.	Mandatory
48350	Class Reg	Junior Drag Bike	Engine	Ignition-Magneto	External magneto not permitted	Mandatory
48360	Class Reg	Junior Drag Bike	Engine	Exhaust	Silencer or muffler optional	Allowed
48370	Class Reg	Junior Drag Bike	Engine	Exhaust	Exhaust must exit to the rear of rider's footpegs	Mandatory
48380	Class Reg	Junior Drag Bike	Engine	Fuel	All classed restricted to petrol, ethanol or methanol	Mandatory
48390	Class Reg	Junior Drag Bike	Engine	Fuel Lines - Taps	Taps must be installed in fuel lines except on EFI-equipped bikes that are fitted with operating factory tip over sensor.	Mandatory
48400	Class Reg	Junior Drag Bike	Engine	EFI	If using EFI, throttle body choice is open. EFI may be replaced with carburettor.	Mandatory
48410	Class Reg	Junior Drag Bike	Engine	EFI	ECU: OEM ECU required where EFI is used but may be supplemented with aftermarket non-reactive controllers.	Mandatory
48420	Class Reg	Junior Drag Bike	Engine	Liquid overflow - catch can	Catch Can: Must be installed if the bike is capable of discharging liquid onto ground. Minimum 600ml.	Mandatory
48430	Class Reg	Junior Drag Bike	Body	Fairing and screen	Appearance: All bodywork must match frame model used. All machines must bear resemblance to original production machine. OEM or replica fairing and screen must be retained. OEM fuel tank for model is required.	Mandatory
48440	Class Reg	Junior Drag Bike	Body	Fairing and screen	Screens: Must be thin and flexible for safety reason	Mandatory
48450	Class Reg	Junior Drag Bike	Body	Mirrors and obstacles	Mirrors and other obstacles in the proximity of the rider must be removed	Mandatory
48460	Class Reg	Junior Drag Bike	Body	Tail light	Tail light must be fitted and operative	Mandatory
48470	Class Reg	Junior Drag Bike	Body	Headlight	Headlight removal permitted	Allowed

48480	Class Reg	Junior Drag Bike	Body	Indicators	Indicators removal permitted	Allowed
48490	Class Reg	Junior Drag Bike	Body	Instruments	Instruments: Removal or replacement of existing instruments with aftermarket units.	Allowed
48500	Class Reg	Junior Drag Bike	Chassis/Frame	Ballast	Ballast NOT PERMITTED	Mandatory
48510	Class Reg	Junior Drag Bike	Chassis/Frame	Control - handlebars	Handlebars: All tubular handlebars must be plugged on ends	Mandatory
48520	Class Reg	Junior Drag Bike	Chassis/Frame	Throttle	Throttle: All bikes must have a self-returning twist grip throttle	Mandatory
48530	Class Reg	Junior Drag Bike	Chassis/Frame	Controls - ignition - kill switch	Kill Switch: Positive action ignition kill switch (not button) must be operable with both hands on handgrips.	Mandatory
48540	Class Reg	Junior Drag Bike	Chassis/Frame	Controls - ignition - kill switch	A Lanyard-type kill switch MUST be attached to the rider whilst in operation	Mandatory
48550	Class Reg	Junior Drag Bike	Chassis/Frame	Suspension - Forks	Steering damper permitted	Allowed
48560	Class Reg	Junior Drag Bike	Chassis/Frame	Control - handlebars	Handlebars: Clip-on bars permitted. Handle grips must be no more than 150mm (6 inches) in front or behind the fork stem with a minimum of 380mm (15 inches) width and no more than 300mm (12 inches) above the seat.	Mandatory
48570	Class Reg	Junior Drag Bike	Engine	Throttle - Stop	Throttle Stop: The use of throttle stop devices is not permitted.	Forbidden
48580	Class Reg	Junior Drag Bike	Electrical	Delay - devices	Delay devices: The use of delay devices is not permitted.	Forbidden
48590	Class Reg	Junior Drag Bike	Electrical	Clutch - management system	Two-step rev limiters: Clutch-activated rev limiters are not permitted	Forbidden
48600	Class Reg	Junior Drag Bike	Chassis/Frame		Frame: Original OEM frame required.	Mandatory
48610	Class Reg	Junior Drag Bike	Chassis/Frame	Seat	Seat: Original seat base to be retained. Front half of the seat may be trimmed to a minimum thickness of 25mm (1 inch).	Mandatory
48620	Class Reg	Junior Drag Bike	Chassis/Frame		No frame modifications permitted.	Forbidden
48630	Class Reg	Junior Drag Bike	Drivetrain	Driveline - cover	Chain Guard required. Stock chain guard may be retained.	Allowed
48640	Class Reg	Junior Drag Bike	Drivetrain	Driveline - cover	Lower Chain Guard: Toe Guard or "Shark Fin" required	Mandatory
48650	Class Reg	Junior Drag Bike	Drivetrain	Clutch	Clutch must be of a original type for engine used.	Mandatory
48660	Class Reg	Junior Drag Bike	Drivetrain	Clutch - springs and friction plates	Clutch springs and friction plates may be substituted.	Allowed
48670	Class Reg	Junior Drag Bike	Drivetrain	Clutch	Clutch centrifugal assistance is prohibited.	Forbidden
48680	Class Reg	Junior Drag Bike	Drivetrain	Clutch	No means of delaying clutch engagement is permitted.	Forbidden
48690	Class Reg	Junior Drag Bike		Wheels	Wheels: Standard wheels for model used required as a minimum. Aftermarket wheels produced for motorcycles permitted. Minimum diameter 431.8mm (17 inches).	Mandatory
48700	Class Reg	Junior Drag Bike		Wheels	Tyres: Treaded motorcycle road tyres and rounded profile road racing slicks with minimum tread depth of 1.6mm (1/16th inch).	Mandatory
48710	Class Reg	Junior Drag Bike		Wheels	Tyres: Slicks and Tyres marked "NOT FOR HIGHWAY USE" prohibited.	Mandatory
48720	Class Reg	Junior Drag Bike	Drivetrain	Transmission	Gear Shifting: Each individual shift must be controlled manually by the rider's foot.	Mandatory
48730	Class Reg	Junior Drag Bike	Drivetrain	Transmission	Gear Shifting: Ignition/fuel interruption to facilitate gear change permitted.	Allowed

48740	Class Reg	Junior Drag Bike	Drivetrain	Transmission	Ratio: Any final drive ratio permitted.	Allowed
48750	Class Reg	Junior Drag Bike	Drivetrain	Transmission	Gear Shifting: Air or electric gear change devices prohibited.	Forbidden
48760	Class Reg	Junior Drag Bike	Drivetrain	Transmission	Gear Shifting: Automated shifters and / or timer type shifting devices prohibited.	Forbidden
48770	Class Reg	Junior Drag Bike		Brakes	Brakes: OEM brakes or model used as a minimum	Allowed
48780	Class Reg	Junior Drag Bike	chassis/Frame	Suspension	Suspension: Stock operating suspension and steering for model used required. Suspension must retain a minimum of 25mm (1 inch) downward travel front and rear.	Mandatory
48790	Class Reg	Junior Drag Bike	chassis/Frame	Suspension	Ride Height: Lowering permitted. Motorcycles must have a minimum of 50mm (2") ground clearance measured with the rider and relevant equipment in place and 15 psi in the rear tyre.	Mandatory
48800	Class Reg	Junior Drag Bike	chassis/Frame	Suspension	Suspension: External straps or devices used to limit the downward travel of forks permitted but must be recognizable as fit for purpose.	Mandatory
48810	Class Reg	Junior Drag Bike	chassis/Frame	Suspension - Swing Arm	Swing Arm: Swing arm may be extended or replaced with aftermarket item to a maximum of 100mm (4") longer than stock. Onus of proof on entrant. Bracing to be designed to limit torsional forces.	Mandatory
48820	Class Reg	Junior Drag Bike	chassis/Frame	Wheelie bars	Wheelie Bars: Permitted but are required upon testing, to be capable of supporting the weight of the bike with the rider in position.	Mandatory
48830	Class Reg	Junior Drag Bike	chassis/Frame	Suspension - Swing Arm	Swing Arm: Bolt-on swing arm extensions prohibited.	Forbidden