



PRO STOCK MOTORCYCLES

CLASS REGULATIONS

Revised September 2024

Pro Stock Bike represents the highest development of naturally aspirated, street appearing motorcycles

Pro Tree - Heads Up

8660	Class Reg	Pro Stock Bike	Body	Body	OEM appearance and shape for all main parts, including upper fairing.	Mandatory
8670	Class Reg	Pro Stock Bike	Body	Body	Main parts all from same model.	Mandatory
8680	Class Reg	Pro Stock Bike	Body	Body	Body type available from OEM in a model with engine capacity greater than 749cc.	Mandatory
8690	Class Reg	Pro Stock Bike	Body	Body	Parts that are replicas and same shape as their OEM versions.	Allowed
8700	Class Reg	Pro Stock Bike	Body	Air Intakes	External air scoops which are approved by IHRA.	Allowed
8710	Class Reg	Pro Stock Bike	Body	Body	OEM aerodynamic devices only.	Mandatory
8720	Class Reg	Pro Stock Bike	Body	Body - headlights	Headlights painted or Decals	Allowed
8730	Class Reg	Pro Stock Bike	Body	Body - mudguard	Front mudguard required	Mandatory
8740	Class Reg	Pro Stock Bike	Chassis / Frame	Frame	Frame - Stock or aftermarket.	Allowed
8750	Class Reg	Pro Stock Bike	Chassis / Frame	Frame	Frame - Welded struts and swing arms.	Allowed
8760	Class Reg	Pro Stock Bike	Chassis / Frame	Frame - modification	If stock frame and the modification does not weaken the frame	Allowed
8770	Class Reg	Pro Stock Bike	Chassis / Frame	Brakes - Disc	Brake Rotor - At least 177.8 mm (7 inches).	Mandatory
8780	Class Reg	Pro Stock Bike	Chassis / Frame	Brakes	Brakes - Hydraulic, operable.	Mandatory
8790	Class Reg	Pro Stock Bike	Chassis / Frame	Brakes	Rotor Thickness at least 4.67 mm (0.187 inches).	Mandatory
8800	Class Reg	Pro Stock Bike	Chassis / Frame	Frame	With rider in position and machine ready to race, the distance from ground to lowest point of seating position is 508 mm (20 inches).	Mandatory
8810	Class Reg	Pro Stock Bike	Chassis / Frame	Suspension	Steering damper recommended.	
8820	Class Reg	Pro Stock Bike	Chassis / Frame	Frame - steering head	Steering head angle equal to or more than OEM, but less than 40 degrees.	Mandatory
8830	Class Reg	Pro Stock Bike	Chassis / Frame	Suspension - fork	Suspension - Fork - Diameter at least 32 mm (1.25 inches).	Mandatory
8840	Class Reg	Pro Stock Bike	Chassis / Frame	Suspension	Front suspension required	Mandatory
8850	Class Reg	Pro Stock Bike	Chassis / Frame	Suspension - travel	Front suspension travel to be at least 38 mm (1.5 inches).	Mandatory

8860	Class Reg	Pro Stock Bike	Chassis / Frame	Tyre - front	Front tyre - At least 70 mm (2.75 inches).	Mandatory
8880	Class Reg	Pro Stock Bike	Chassis / Frame	Tyres - diameter	Tyre diameter up to 710 mm (28 inches).	Allowed
8890	Class Reg	Pro Stock Bike	Chassis / Frame	Tyres - type	Slicks	Allowed
8910	Class Reg	Pro Stock Bike	Chassis / Frame	Wheels - front - diameter	Front wheel diameter in the range 406.5 mm (16 inches) to 482.6 mm (19 inches).	Mandatory
8920	Class Reg	Pro Stock Bike	Chassis / Frame	Wheels - rear - diameter	Rear wheel diameter in the range 381 mm (15 inches) to 457 mm (18 inches).	Mandatory
8925	Class Reg	Pro Stock Bike	Chassis / Frame	Wheel - rear - tyre - width	Must be minimum 8" (203.2mm)and Maximum 10" (250.4mm)	Mandatory
8926	Class Reg	Pro Stock Bike	Chassis / Frame	Rear Suspension	No rear suspension allowed	Mandatory
8930	Class Reg	Pro Stock Bike	Chassis / Frame	Wheels - front and rear	Wheels front and rear may be replaced	Allowed
8950	Class Reg	Pro Stock Bike	Chassis / Frame	Wheelie bars	Wheelie bars	Mandatory
8960	Class Reg	Pro Stock Bike	Chassis / Frame	Wheelie bars	Wheelie bars must support bike and rider weight.	Mandatory
8970	Class Reg	Pro Stock Bike	Chassis / Frame	Wheelie bars	Up to 3353 mm (132 inches), when measured from centre of wheelie bar axle to centre of front axle.	Mandatory
8980	Class Reg	Pro Stock Bike	Drivetrain	Chain guard	Chain guard must cover exposed chain along top run between sprocket centre line.	Mandatory
8990	Class Reg	Pro Stock Bike	Drivetrain	Chain guard	Minimum chain guard material must be at least steel or alloy.	Mandatory
9000	Class Reg	Pro Stock Bike	Drivetrain	Chain guard	Chain guard specifications to be at least 25 mm (1 inch) by 3 mm(1/8 inch).	Mandatory
9010	Class Reg	Pro Stock Bike	Drivetrain	Chain guard - cover	Chain guard must be affixed to main frame.	Mandatory
9020	Class Reg	Pro Stock Bike	Drivetrain	Clutch	Clutch - Multistage, lock up.	Allowed
9030	Class Reg	Pro Stock Bike	Drivetrain	Transmission	Transmission - Contained within the OEM case or aftermarket case, if the latter is permitted.	Mandatory
9040	Class Reg	Pro Stock Bike	Drivetrain	Transmission	Transmission - Manually shifted or by air shifter.	Mandatory
9050	Class Reg	Pro Stock Bike	Drivetrain	Transmission	Transmission - Rider activates each shift.	Mandatory
9060	Class Reg	Pro Stock Bike	Drivetrain	Transmission	Transmission - Up to 6 forward speeds.	Allowed
9070	Class Reg	Pro Stock Bike	Drivetrain	Transmission	Transmission - Timer type shifting device or automated shifter.	Forbidden
9080	Class Reg	Pro Stock Bike	Electrical	Delay device	Any delay device	Forbidden
9090	Class Reg	Pro Stock Bike	Electrical	Body - tail light	Tail lights facsimile or OEM.	Mandatory
9100	Class Reg	Pro Stock Bike	Electrical	Night lighting	Tail lights operable	Mandatory
9110	Class Reg	Pro Stock Bike	Engine	Engine	If V-Twin then Buell, VR or FX engine.	Mandatory
9120	Class Reg	Pro Stock Bike	Engine	Engine	If V-Twin, then 'V' angle of 45 degrees or 60 degrees.	Mandatory
9140	Class Reg	Pro Stock Bike	Engine	Engine - configuration	If V-twin, side-by-side con rod.	Allowed
9150	Class Reg	Pro Stock Bike	Engine	Engine - main case	Engine cast main case modifications, if not V-Twin.	Allowed
9160	Class Reg	Pro Stock Bike	Engine	Engine - main case	Engine main case modifications to achieve cylinder clearance.	Allowed

9170	Class Reg	Pro Stock Bike	Engine	Engine - main case	Engine main case modifications to achieve true repairs.	Allowed
9180	Class Reg	Pro Stock Bike	Engine	Engine - main case	Engine main case modifications to facilitate remote starter.	Allowed
9190	Class Reg	Pro Stock Bike	Engine	Engine - main case	Engine main case if Kawasaki and Suzuki then billet crankcase.	Allowed
9200	Class Reg	Pro Stock Bike	Engine	Cylinder head - modifications	Cylinder head modifications if no effect on external appearance, then modified.	Allowed
9210	Class Reg	Pro Stock Bike	Engine	Cylinder head	Cylinder head if V-twin engine, then OEM or aftermarket 4-valve.	Allowed
9220	Class Reg	Pro Stock Bike	Engine	Cylinder head	Cylinder head if Kawasaki or Suzuki, then OEM or aftermarket, 2 or 4 valve.	Allowed
9230	Class Reg	Pro Stock Bike	Engine	Exhaust	Any exhaust	Allowed
9240	Class Reg	Pro Stock Bike	Engine	Fuel system - air intake	If OEM appearance of fuel tank is retained, existing air intakes or modifications for air entry at front of tank.	Allowed
9250	Class Reg	Pro Stock Bike	Engine	Induction	Induction - If Suzuki or Kawasaki or cast V-Twins, then motorcycle carburetors.	Allowed
9260	Class Reg	Pro Stock Bike	Engine	Induction	Induction - EFI.	Allowed
9270	Class Reg	Pro Stock Bike	Engine		If engine type is 'V' Twin and crankcase is billet, then EFI fitted.	Mandatory
9280	Class Reg	Pro Stock Bike	Engine	Fuel Grade	Fuel - Petrol, ethanol or methanol.	Mandatory
9290	Class Reg	Pro Stock Bike	Engine	Kill switch - type	Ignition kill button.	Forbidden
9300	Class Reg	Pro Stock Bike	Engine	Kill switch - type	Positive action, ignition kill switch.	Mandatory
9310	Class Reg	Pro Stock Bike	Engine	Kill switch - location	Ignition kill switch mounted so that it can be reached by the rider when they are holding the handgrip.	Mandatory
9320	Class Reg	Pro Stock Bike	Engine	Kill switch - attachment	Lanyard type, attached to the rider when motorcycle in use.	Mandatory
9330	Class Reg	Pro Stock Bike	Engine	Engine - modification	Any engine modifications	Allowed
9340	Class Reg	Pro Stock Bike	Engine	Throttle	Throttle twist grip and self returning.	Mandatory
9350	Class Reg	Pro Stock Bike	Interior	Seat	When rider is in position ready to race, lowest point of seating position to the ground, is at least 508 mm (20 inches).	Mandatory
9360	Class Reg	Pro Stock Bike	Vehicle	Controls - extensions	Extensions - Chromoly or welded steel.	Allowed
9370	Class Reg	Pro Stock Bike	Vehicle	Controls - extensions	Extensions - Mounted less than 4 inches (100 mm) beneath top of triple clamp.	Mandatory
9380	Class Reg	Pro Stock Bike	Vehicle	Controls - handlebar	Handlebar - Stock position.	Mandatory
9390	Class Reg	Pro Stock Bike	Vehicle	Controls - handlebars	Handlebar - Welded aluminium.	Forbidden
9400	Class Reg	Pro Stock Bike	Vehicle	Controls - brake pedal and foot peg	If brake pedal and foot peg is rear set, then in front of rear axle, at least 380 mm (15 inches).	Mandatory

9410	Class Reg	Pro Stock Bike	Vehicle	Controls - foot peg	When driver has foot on the peg, their foot is not exposed directly to engine exhaust.	Mandatory
9420	Class Reg	Pro Stock Bike	Vehicle	Ground clearance	Ground clearance - At least 50 mm (2 inches) when rider is in position and bike is ready to race.	Mandatory
9430	Class Reg	Pro Stock Bike	Vehicle		If engine type is not 'V' Twin and has 2 or 4 valves, then Engines up to and including 1625cc -560 lbs, engines up to and including 1675cc -580lbs, engines up to and including 1775cc-600 lbs, engines up to and including 1875cc -610 lbs.	Mandatory
9440	Class Reg	Pro Stock Bike	Vehicle		If engine type is 'V' Twin and crankcase is cast, then maximum engine capacity of 160 cubic inches and not less than 565 lbs.	Mandatory
9450	Class Reg	Pro Stock Bike	Vehicle		If engine type is 'V' Twin and crankcase is billet, then maximum engine capacity of 160 cubic inches and not less than 635 lbs.	Mandatory
9460	Class Reg	Pro Stock Bike	Vehicle	Wheelbase	Wheelbase - Up to 1829 mm (72 inches), when the rear wheel is at the limit of its adjustment and measurement is taken axle to axle.	Allowed