



PRO STOCK MOTORCYCLE

CLASS REGULATIONS

Revised September 2024

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

Pro Tree - Heads Up

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| 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 |

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| 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 |

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| 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 |