



## SUPER STREET



### Super Street

Super Street is a small-tire category with all applications permitted, meeting the specific rules of the category as listed below. Super Street (SS) is contested on a .400 pro tree and is qualified based off elapsed time, from quickest to slowest. 16-car qualified field, with a professional pairing ladder.

#### DESIGNATION

SS followed by car number. Number must be at least four inches high. Competition number must be located on both side windows, windshield, and rear window. PDRA mandates the class sponsor decals and PDRA decals on all entries, in all classes. If you choose to apply to our contingency program, those decals are required as well and available at the PDRA registration trailer. The sponsor and PDRA decals must be on the vehicle at the time of technical inspection and will stay on the car for the entirety of the event. Contingency stickers also must be on the vehicle at the time of technical inspection and will be viewed before the final round of eliminations for verification by a PDRA official.

All rules are subject to change at any time given the sole discretion of the PDRA Technical Services Department.

*Updated: July 24, 2023*

## MINIMUM WEIGHT REQUIREMENTS ALL WEIGHTS INCLUDE DRIVER AT CONCLUSION OF RUN

Naturally Aspirated, Small Block – 2,300 lbs.

Naturally Aspirated, Big Block – 2,600 lbs.

Nitrous, Small Block (Stock Bore) – 2,450 lbs.

Nitrous, Small Block (Stock Bore, 480-500 CID, Max .050 Jet) – 2,600 lbs.

Nitrous, AMC/Buick/Olds/Pontiac (Stock Bore) – 2,600 lbs.

Nitrous, Big Block (588 CID Max, Single System, Unlimited Jet) – 2,850 lbs.

Nitrous, Big Block (588 CID Max, Dual System, .034 Jet Max) – 2,950 lbs.

Nitrous, Big Block (589-640 CID Max, .046 Jet Max) – **2,975 lbs. (+25)**

Single Turbocharger, Small Block (88mm) – 3,100 lbs.

Single Turbocharger, AMC/Buick/Olds/Pontiac (88mm) – 3,200 lbs.

Twin Turbocharger, Small Block (71mm Max) – 3,250 lbs.

Centrifugal, Small Block (F1A-94) – 2,950 lbs.

Centrifugal, Small Block (F1X/V30-105) – **3,200 lbs. (-25)**

Centrifugal, Small Block (F3D-102/F3D-106) – **3,250 lbs. (-25)**

Whipple, Small Block, COPO (3.8L/4.5L) – 3,200 lbs.

Inline 4 & 6 Cylinder (350 CID and Smaller) – TBD

### **Weight Additions/Reductions**

Add 25 lbs.	Any boosted engine utilizing a small block, non-stock valve angle cylinder head, including GEN III HEMI.
Add 50 lbs.	Billet Cylinder Heads -OR- Billet Engine Block
Add 50 lbs.	Big Chief/Non-Conventional Head or Ford "C" Head
Add 25 lbs.	Turbocharger with 134mm to 142.5mm Compressor Exducer Dimension
<b>Add 25 lbs.</b>	M1 Fuel (Cannot be used with intercooler)
Add 50 lbs.	Any dual carburetor/throttle body on nitrous big block combination.
Deduct 50 lbs.	V30-102 Centrifugal Supercharger
Deduct 50 lbs.	Stock-Style IRS Suspension
Deduct 50 lbs.	85mm Turbocharger
Deduct 75 lbs.	Centrifugal or Turbocharged SB less than 365 CID
Deduct 100 lbs.	80x116mm Billet Turbocharger
Deduct 50 lbs.	Bias Ply 26" Tire of Choice

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## REQUIREMENTS & SPECIFICATIONS ENGINE: 1

### **COOLING SYSTEM**

Radiator permitted, electrically driven fan and water pump is permitted.

### **CYLINDER HEADS**

Billet heads are permitted, cannot be used with billet block. SB GEN III HEMI permitted with weight adder. Maximum two valves per cylinder. Modular engines combinations are allowed four valves per cylinder.

### CYLINDER BORE SPACING

Bore spacing is set at maximum of 4.400-inches for small block and 4.900-inches for big block nitrous oxide engines. Bore spacing is set at maximum of 4.400-inches for all supercharged and turbocharged applications. Small Block combinations must retain a maximum of 10.200-inch deck height, small block boosted combinations must retain a maximum of 9.750-inch deck height, big blocks may retain a maximum of 10.700-inch deck height.

### ENGINE

The cubic inch limit for any naturally aspirated combination is 650 cubic inches. Maximum Small Block bore spacing limited to 4.400 bore spacing on all entries with a maximum of 480 CID. AMC, Buick, Oldsmobile, and Pontiac combinations are accepted as OEM bore space and deck height, restricted to nitrous oxide and turbocharged combinations only. Nitrous entries are limited to a maximum bore spacing of 4.900 and a maximum cubic inch limit of 640 CID. Billet block permitted, cannot be used with billet cylinder heads.

### ENGINE CONTAINMENT SYSTEM

SFI 7.1 lower engine containment system required. If a flexible 7.1 system is utilized, it must be accompanied by a carbon fiber or aluminum belly pan with a minimum 2-inch vertical lip.

### EXHAUST

Automotive type system designed specifically for racing required, zoomie-and/or bullhorn- style headers are permitted on all combinations. Exhaust gasses must be directed out of the body towards the rear of vehicle and away from the driver, fuel system and timing or staging beams. All removable multi-piece exhaust collectors/stacks must be securely fastened with either an NHRA-accepted header tether, a minimum .050-inch (half-inch) stitch weld located on each primary tube or be permanently attached to the vehicle or frame with positive fasteners (i.e., exhaust hangers, support brackets, bolts/nuts, etc.) such that they require tools for removal.

### FUEL

Racing Gasoline and methanol allowed, M5 prohibited. The use of nitromethane and/or propylene oxide is strictly prohibited. The use of fuel additives is PROHIBITED.

### FUEL SYSTEM

Fuel cell/tank must have pressure cap and be vented to outside of body. Where fuel cells are used, they must meet SFI Spec 28.1. Fuel cells/tanks must be mounted between framrails and enclosed in a round tube frame, minimum 1.25-inch O.D. x .065-inch chromoly tubing. Extra tank(s) prohibited. Artificial cooling or heating systems prohibited. Circulating systems, not part of normal fuel-pump system, prohibited. Water injection permitted on nitrous oxide entries; only water permitted in water injection system. Boosted combinations are prohibited to use any type of additional injection system for the aid of cooling air inlet temperatures.

### HARMONIC BALANCER

SFI 18.1 certification required.

### INDUCTION

Any number and type of carburetors or throttle bodies may be used on small block combinations. Big Blocks are limited to a single carburetor or

throttle body, dual carburetors/throttle bodies are permitted with a weight penalty. Electronic fuel injection is permitted.

### **INTAKE MANIFOLD**

A PDRA-accepted burst panel is required on all vehicles. A cast single intake manifold only on big block, nitrous assisted combinations.

### **INTERCOOLER**

Any intercooler is permitted on gasoline combinations only. Must be securely mounted to chassis or mounts with preferred hardware. Water box must be contained in a safe environment with a locking or screw-on top to enclose water/ice during the run. Intercooler combined with a methanol fueled combination is prohibited.

### **NITROUS OXIDE**

Permitted, any type of multi-stage nitrous system with no restrictions. Small Blocks are permitted multiple stages with no restrictions. Big Blocks 588 CID and below are permitted any type of single-stage nitrous system with no restrictions or a dual system with a jet limit of .034 on both systems. Big Blocks between 589 and 640 CID are permitted any type of single-stage nitrous system with a maximum of a .046 jet size and limited to a single 15 lb. nitrous bottle. Small block and big block combinations are permitted water/meth injection. Dual power adders are strictly prohibited across all combinations. All forms of power adders must be commercially available to the general public for purchase and use.

### **OIL SYSTEM**

All pressurized flexible oil lines must pass a minimum 750psi, 30-second test and be tagged to indicate successful testing.

### **STARTER**

Required. All entries must be self-starting. The use of remote-mounted battery packs permitted for starting purposes only. No push-starts allowed.

### **SUPERCHARGER**

Permitted, centrifugal superchargers only. No roots or screw superchargers. Centrifugal superchargers are permitted along with Whipple Supercharger, COPO-style, 3.8L and 4.5L permitted with single intercooler underneath. Dual power adders are strictly prohibited across all combinations. All forms of power adders must be commercially available to the general public for purchase and use.

### **THROTTLE**

Throttle control must be manually operated by driver's foot. Electronics, pneumatics, or hydraulics is permitted for starting line/staging RPM limiters only.

### **TURBOCHARGER**

Permitted, single turbocharger combinations are limited to a maximum 88mm x 133mm unit with 113x103mm turbine wheel. Single turbocharger 88mm x 142.5mm unit with 113x103mm turbine wheel is accepted with a weight penalty. Twin turbocharger combinations are limited to a maximum of two (2) 71mm units. All turbocharger sizes will be verified by measuring the housing bore at the leading edge of the impeller wheel. The maximum diameter of the housing bore at the leading edge of the wheel may not exceed 2mm more than the maximum allowable turbocharger size

permitted. Blade tips must not be extended beyond 142.5mm. Turbochargers will be verified by measuring the housing bore at the leading edge of the impeller wheel and must retain the contour of the compressor housing, stepped or clipped compressor wheels are prohibited. Inserts or reducers to achieve inlet or outlet dimensions are prohibited. Compressor map groove will not exceed .250 of an inch and must be maintained throughout the entire circumference of the groove. No reduction or milling permitted on the compressor or turbine retention nuts, hub and turbine retention nut diameter is a minimum of .850. No bore-less shaft turbochargers are permitted. No welded covers, inserts, welding, or two-piece covers are permitted. Any inconsistent modifications to compressor or turbine wheel, blades, hubs, cover, or housing beyond accepted commercially available manufacturing process is **PROHIBITED**. Dual power adders are strictly prohibited across all combinations. All forms of power adders must be commercially available to the general public for purchase and use.

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### REQUIREMENTS & SPECIFICATIONS

#### DRIVETRAIN: 2

##### CLUTCH, FLYWHEEL, FLYWHEEL SHIELD & MOTOR PLATE

Clutch and flywheel meeting SFI 1.3, 1.4 or 1.5 certification required. SFI 29.1 flex plate required on all torque converter equipped cars (SFI 29.2 recommended). The motor plate must be attached to the chassis using at least two welded mounting points with a minimum 3/8-inch Grade 8 bolts and full nuts. At least two additional welded mounting points (using the motor plate, front block plates, etc.) are required to secure the engine to the chassis also with minimum 3/8-inch Grade 8 bolts and full nuts.

##### DRIVELINE

A full 360-degree driveshaft tube is required over yoke, extended a minimum of 12-inches required from transmission tail shaft. Minimum thickness of tube housing is .050-inches chrome moly or titanium. Two-piece units accepted with a minimum of six (6) 3/8-inches Grade 8 bolts. SFI 43.1 driveshaft required.

##### FLYWHEEL SHIELD

SFI 6.3 certification required.

##### TRANSMISSION

Lock-Up transmission/converter setups are not permitted. All transmissions must be covered by a one-piece SFI 4.1 restraint.

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### REQUIREMENTS & SPECIFICATIONS

#### BRAKES & SUSPENSION: 3

##### BRAKES

Four-wheel brakes with dual master cylinder mounted above the frame rails is required.

##### REAR END

Automotive type rear end required. Titanium wheel studs prohibited.

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## SUSPENSION

Race car type suspension required, including stock suspension, ladder-bar, and four-link designs. Solid suspension is prohibited. Shock absorbers required on all four wheels.

## WHEELIE BARS

Not permitted.

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## REQUIREMENTS & SPECIFICATIONS

### FRAME: 4

## BALLAST

Permitted. Any material used for the purpose of adding to a car's total weight must be permanently attached to the car's structure and must not extend in front of or behind the rear of the car's body. No liquid or loose ballast permitted (water, sandbags, rock, shot bags, metal weights, etc.). Removable weight must be securely mounted to the frame or frame structure by a minimum of two ½-inch diameter steel bolts per 100 pounds, or one 3/8-inch steel bolt per 5-pounds. All other weight bars, pucks, etc., must use a minimum two ½-inch diameter SAE Grade 8 bolts for attachment per 100 pounds.

## CHASSIS

SFI certification required, can be NHRA or IHRA.

## DRIVER

Must be in stock location, on the left side of the vehicle.

## FRAME

Door cars only, no altered or roadsters. Back-half style cars are permitted. Factory front frame rails must be fully intact from the firewall to 4" forward of the front spindle. Minor notching of the front frame is allowed for clearance and safety reasonings. Any round tube frame rails from the firewall forward will adhere to a weight penalty. Aftermarket front k-members are permitted, must bolt in the factory location. Factory equipped "bolt-in" subframe cars are permitted an aftermarket bolt-on front end (Ex. Smith Racecraft) for '62-'74 Nova and '67-81 Camaro/Firebird, Dart, Falcon, and early Mustang must bolt-in. Factory wheelbase for year/make/model must be maintained, (+/- 2 inches).

## GROUND CLEARANCE

A minimum of 3-inches of ground clearance is mandatory from the front of the vehicle to 12-inches behind the centerline of the front axle. A minimum of 2-inches of ground clearance is mandatory for the remainder of vehicle, except oil pan and exhaust headers.

## STEERING

SFI 42.1 steering wheel disconnect is mandatory.

## WHEELBASE

Factory wheelbase for year/make/model must be maintained, plus or minus two (2) inches.

**REQUIREMENTS & SPECIFICATIONS****TIRES & WHEELS: 5****TIRES**

Maximum tire size is 28x10.5" non-W bias ply slick. 26" bias ply slick also permitted with a weight reduction, as seen above. Any radial tire option is prohibited, bias ply tires only.

**WHEELS**

Wheels meeting SFI Spec 15.1 or 15.3 with bead locks mandatory. Modification and/or lightening prohibited. Wheel discs or covers are prohibited.

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**REQUIREMENTS & SPECIFICATIONS****INTERIOR: 6****DRIVER COMPARTMENT**

Driver compartment interior must be aluminum, steel, or carbon fiber. Magnesium prohibited. Sheet metal may not extend into rear window any higher than wheel tubs. Rear wheel wells must be separate for each tire. Trunk must be a completely separated from driver compartment with a firewall.

**SEAT**

Driver's seat must be minimum 24-inches high. Seat must be covered with a minimum one-layer, flame-retardant material. Seat frame must be installed as a permanent part of the chassis.

**WINDOW NET**

SFI 27.1 window net is mandatory.

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**REQUIREMENTS & SPECIFICATIONS****BODY: 7****BODY**

The car must retain its original appearance, profiles, and dimensions. Full aftermarket composite, Pro Mod and Pro Stock bodies are not permitted. Factory dimension quarter panels must be used with front to rear door opening in factory dimension. Fiberglass/carbon fiber body parts are limited to hood, fenders, doors, deck lid, roof skin and bumpers unless car is composite from factory. No modified front ends to achieve maximum NHRA/PDRA overhang, must stay within original body dimensions. Maximum front overhang of 45" as measured from the centerline of the front spindle. Must retain factory body lines with removable composite components as in hood, front bumper, front fenders, doors, and deck lid. Any beam tripping device forward of the bumper is permitted but must remain under the 45" front overhang maximum measurement. A hood must be used; scoop or hood must cover entire induction system. Exceptions are throttle bodies or carburetors on naturally aspirated and nitrous oxide assisted engines, along with, intake manifold/throttle bodies on boosted applications. Those may protrude through the hood for clearance, if needed. Carburetors are required to be covered at all times. Forward facing hood scoops/inlets are permitted. All vehicles must be

professional finished, painted, lettered, numbered, and decaled.

### **BELLY PAN**

Permitted. Pan must extend from framerail to framerail and extend from the bellhousing/engine mounting surface to the end of the transmission tail shaft. Nonflammable, oil-absorbent liner is permitted inside of belly pan.

### **DOORS**

Required. Doors must be functional and able to be opened from both the inside and outside of the vehicle. Doors may be fabricated from carbon fiber, fiberglass, or metal. A metal deflector between the fenders and the leading edge of the doors is required.

### **FIREWALL**

Firewall must be within two (2) inches of stock location. Engine must remain in front of firewall. Firewall cannot be modified for engine placement. Firewall will be measured from front spindles to any point from cowl to bottom of firewall and from outside of factory frame rail to outside of factory frame rail. Mid-plate must be separate from firewall, cannot be joined together. Modifications (i.e., sloping, slanting, etc.) outside of the factory frame rails permitted. Any vehicle not in conformance will not be allowed to compete.

### **FLOOR**

Replacing stock floors with .024-inch steel or .032-inch aluminum is allowed. Driver's side floor pan must be .024-inch steel and must be welded in place extending from firewall to back of the driver's seat. Carbon fiber or aluminum may be utilized in the passengers' portion of the flooring in the driver's compartment.

### **HOOD SCOOP**

Allowed. One opening only. Must be finished and painted to follow the bodies paint scheme.

### **PARACHUTES**

Single or dual parachutes required. Separate shroud-line mounting points with 0.500-inch sleeved grade-8 bolts required.

### **WINDSHIELD, WINDOWS**

Mandatory. May be replaced with 1/8-inch thick lexan, plexiglass or other shatterproof material. An opening with a 4-inch diameter minimum is required on side windows adjacent to the driver.

### **WING, SPOILERS**

Any style rear wing and/or spoiler is permitted. Adjustment during the run is prohibited.

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## REQUIREMENTS & SPECIFICATIONS

### ELECTRICAL: 8

### **BATTERY**

Maximum of two batteries allowed. All batteries must be securely fastened.



### **IGNITION**

Maximum one magneto or distributor. Electronic starting line RPM limiters (two-steps) are permitted.

### **MASTER CUT-OFF**

An external master electrical shut-off is required, must be clearly labeled, "PUSH OFF."

### **TAILLIGHT**

Functional rear taillight is required. Taillight must be permanently mounted and controlled from the driver's compartment.

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## **REQUIREMENTS & SPECIFICATIONS**

### **SUPPORT GROUP: 9**

#### **COMPUTER**

Permitted.

#### **DATA, ELECTRONICS ACQUISITION**

Permitted.

#### **FIRE SUPPRESSION SYSTEM**

SFI 17.1 system required. System must contain a minimum of 20-pounds of fluid or gas fire suppression agent. One nozzle required inside driver's compartment must be directed at driver's feet. Two or more nozzles must be directed at front of engine and fuel cell. All fire suppression must be released with a single actuation (i.e., single handle, button, or lever).

#### **TOW VEHICLES**

Permitted. Tow/push bars must be labeled with reflective tape and/or bright color or striping for safety precautions. A valid driver's license is required to operate any type of tow vehicle. All passengers must be seated inside of the vehicle with all doors closed. Riding in open hatchback, trunk or cargo area is not allowed. ATVs are allowed with a maximum of one passenger who must always be seated. Golf carts are allowed with a maximum of four passengers who must always be seated. Posted pit speeds must always be obeyed. If pit speed is not posted, maximum pit speed will be 5 miles per hour.

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## **REQUIREMENTS & SPECIFICATIONS**

### **DRIVER: 10**

#### **CREDENTIALS**

NHRA or PDRA competition license is required.

#### **DRIVER RESTRAINT SYSTEM**

Driver restraint system meeting SFI Spec 16.1 certification required (7-point system recommended). Restraint system must be updated at two-year intervals from date of manufacture.

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### **HEAD AND NECK RESTRAINT**

SFI 38.1 required. An aluminum skid plate located above driver's head is recommended.

### **HELMET**

SN-2015 or newer, SFI 31.2 or 41.2 required. Use of open face helmet is prohibited. Eject Helmet Removal System (Part # SDR 890-01-30) or equivalent is recommended.

### **PROTECTIVE CLOTHING**

A driver's suit meeting SFI 3.2A/15, gloves meeting SFI 3.3A/10, shoes meeting SFI 3.3/10 and a head sock meeting SFI 3.3 mandatory. A head sock is not required when a helmet manufactured with a skirt meeting SFI 3.3 is used. If methanol is the fuel of choice, SFI 3.2A/20 suit, gloves and shoes are recommended.

### **RF SHUTDOWN RECEIVER**

Properly functioning Electrimotion shut-off device (Part # SB001 and RF001) recommended. PDRA will utilize Electrimotion safety shut-off device at all PDRA national events.

### **ROLL BAR PADDING**

SFI 45.1 required.