NQS Pulling Series Rules -- 2025-2026

1. General Rules

Rules apply to all classes unless otherwise specified.

A. TRACK OFFICIALS DECISION WILL BE FINAL. ANY DISAGREEMENT ON THEIR DECISION ON ANY POINT OF CONTROVERSY WILL RESULT IN DISQUALIFICATION FOR THAT CLASS FOR THE DAY.

Comment: The track officials have the final say on what happens on the track.

B. YOUR TRACTOR MUST MEET ALL SAFETY AND SHIELDING REQUIREMENTS PRIOR TO HOOKING OTHERWISE YOU WILL NOT BE ALLOWED TO COMPETE AND THERE WILL BE NO REFUND OF ENTRY.

2. Track Operations:

A. The tractor must be in neutral and hand pushed both onto the track and to the sled. It may only be put in gear once it is hooked to the sled. The tractor must be shut down before the chain is unhooked from the sled.

Comment: Flag men will enforce this rule for the safety of the track help. See Rule 1.

B. No portion of the tractor shall interfere with the sled hitch during pull.

Comment: Many times the starting line becomes torn up, which will cause the front of the tractor to be lower than the rear tires. This may cause an interference of the cross bar for the wheelie wheels. The intent of the rule is not to interfere once the pull is underway. See Rule 1.

C. Any portion of tractor touching boundary line during pull will result in disqualification. This would be limited to the front or the rear tires. There is no out of bounds once the tractor passes the full pull mark. See Rule 1. The entire tractor must pass the full pull mark.

D. Two attempts will be allowed to start sled qualifying and in the finals. The only time it's not is during pull-offs. One attempt only in a pull-off. (This was reworded to include two attempts in the finals.)

Comment: An attempt is considered once the hook goes in the hitch and driver physically tries to start the tractor in motion by revving up the engine and attempting to release the clutch. See Rule 1.

E. The first puller can drop to the 6th position or come back immediately.

F. If a puller has a mechanical problem they have to drop back 6 positions (five more pull then they hook). If there are less than five tractors remaining, they have until the end of the heat plus five (5) minutes. If they are not able to hook within the allotted time they will receive last place in that heat. THE PULLER CAN NOT DROP TO ANOTHER HEAT - it would be unfair to the others in those heats.

G. If the first puller in a class withdraws before hooking to the sled due to mechanical issues, the next tractor to hook will be considered the first puller and will have the first puller drop option. However, once the first puller has hooked to the sled and the sled has been moved *even as little as one inch* that attempt is considered the official first pull, and the drop option cannot be reassigned.

More Clarification…

- If the first puller withdraws due to mechanical reasons **before hooking to the sled** and cannot complete repairs within the normal allotted time (see Rule 2-F), that puller must drop completely from the class.
- If the first puller hooks to the sled and the sled is moved *even as little as one inch* that attempt is considered the first pull. If a breakdown occurs, the puller may fall back up to five positions for repair under Rule 2-F. Since this constitutes a repull and “start over,” the puller will also retain the option to drop an additional five positions from that point if repairs are still required.

H. Driver will be disqualified if he or she delays contest.

I. A puller is expected to have their tractor running by the time the sled gets back to the starting point, If the puller delays more than 45 seconds he will have to drop as discussed in 2-F.

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J. Pulling position will be determined by drawing. The drawing should be done prior to the event for the heats.

K. Driver must remain seated during pull. Drivers must have at least on hand on the steering wheel at all times.

L. Weight transfer sled will be used. Either self-propelled or pull back. Must be a 3 foot chain with the hook point within 2 inches or less of the ground. All slam bars on sleds must be mechanically operated. No air, electrical or hydraulic slam devices accepted. Recommend all sleds be a single axle design. Tandem axle sleds tend to steer tractors once they are turned and tractors are more likely to become uncontrollable than with single axle sleds. All sleds should be NASOA certified. If sled has issue and is down for 15 minutes or more, class/heat should start over.

M. Tractors must be operated in a safe manner at all times

N. All weights must be safely secured to the tractor. Any excessive or obvious loss of weights or components may be cause for disqualification. The flagman must make the call during the pull. Any disqualification for loss of weight or component must be made during the pull. A pull is started when the sled starts to move and is ended when the sled stops movement, even though the tractor may still be under power.

O. NGTPS Track officials have the right to restart the class anytime within the first seven (7), either for full pulls or short tracking.

P. A tractor can only enter one time per class.

Q. A tractor engine can only pull one time during the finals, cannot be switched from one tractor to another ... AKA "The Black Nichols Rule". A puller is able to put in a back up engine, but not from another tractor pulling in the same finals.

R. If the driver leaves when the red flag is still displayed, it will be cause for immediate disqualification for that class even if it’s before the 75’ mark as it’s a safety issue.

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S. Flagging Procedure at Start Line: At pulls where a starting line flagman is present, the driver must reference the starting line flagman to begin their pull. Even if the finish line flagman is displaying a green flag, the driver may not start until the starting line flagman also displays a green flag.

- The order of green flag signals will be as follows:
  - Sled operator
    Finish line flagman
    Starting line flagman (driver takes signal from this official)

- Starting a pull before the starting line flagman has displayed a green flag will be considered a safety violation and may result in disqualification under the general safety and operations rules.

T. All finals, or in classes without qualifying rounds, a full pull distance must be set prior to the start of the class. There are no floating finishes in the finals.

U. Extended Break in Action: An extended break in action is defined as any stoppage lasting **15 minutes or more** during an active heat or final.

- **Finals or Single-Heat Classes:**
  If an extended break of **15 minutes or more** occurs during a final or a single-heat class, the class will be restarted in its entirety. Participants will repull in their original draw order, and first puller procedures will apply.

- **Heats (No Finalists Clinched):**
  If an extended break of **15 minutes or more** occurs before any tractors have clinched a berth to the finals, the heat will be restarted in its entirety. All tractors will return to the starting line and repull in the original draw order. First puller procedures will apply.

  Example: 18 tractors in a heat, taking the top 6 to the finals. If the sled breaks during the 10th tractor's hook, no finalist spots have been clinched. The entire heat will restart in original draw order, and first puller procedures will apply.

- **Heats (With Finalists Clinched):**
  If an extended break of **15 minutes or more** occurs after at least one tractor has clinched a finals berth, the full heat will not be restarted. Tractors already clinched will advance directly to the final. The remaining tractors in the heat, along with the next corresponding positions needed to fill the finals field, will repull in their original draw order to determine the remaining finalists. First puller procedures will not apply, and sled settings must remain unchanged.

  Example: 18 tractors in a heat, taking the top 6 to the finals. If an extended break occurs after the 15th tractor has hooked, and the top 3 current placeholders have clinched spots in the finals, those 3 advance. The tractors in places 4, 5, and 6 will rehook in their original draw order, along with the 3 remaining tractors in the heat, to determine the final 3 qualifying positions.

3. SAFETY:

A. **YOUR TRACTOR MUST MEET ALL SAFETY AND SHIELDING REQUIREMENTS PRIOR TO HOOKING OTHERWISE YOU WILL NOT BE ALLOWED TO COMPETE AND THERE WILL BE NO REFUND OF ENTRY.**

B. HELMETS AND FIRESUITS ARE MANDATORY IN ALL CLASSES, MUST BE ZIPPED AND SECURED. Fire suits must be a minimum requirement of SFI 3.2A/1. Helmets must be a minimum requirement of Snell 95.

C. All tractors are required to have a switch that will kill engine and fuel pump in case of chain or hitch breakage. The switch will be located within range of six (6") either side of center of back of tractor with a minimum of a 1.5" circle.

   Comment: Make sure it has an adequate size ring in order to ease connecting to sled.

D. All tractors must be equipped with a dead man throttle.

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E. A minimum one (1) pound dry chemical fire extinguisher or equivalent. A gauge on the fire extinguisher is required. They can either be dry chemical or CO/2-type extinguisher. The fire extinguisher must be full

F. All tractors must have a safety device to prevent turnovers. This device is to have wheels or skid plates. Wheels are to be at least 1" wide and 5" in diameter. Skid plates to have at least 3 square inches at ground contact point. Wheels or skid plates must be no less than 5" (tolerance: -¼") behind the rear tires and not more than 5"(tolerance: +¼") above the ground. This device must be able to support the weight of the tractor.

G. All exhaust must discharge vertically and be securely attached. No more than 10 degrees out of straight upward allowed.

H. All engines must have a scatter shield on the side opposite the cam. The shield must be made of 1/8-inch steel or 3/16-inch aluminum, covering the full height and width of the block. It must be securely attached to the frame or engine block and head, or to a head plate. Refer to Pro V-Twin rules for V-Twin shielding requirements.

I. All drivers should be clean and neatly attired. Tractors should be clean and painted. Drivers under 18 years of age must have signed parental consent on file.

J. Obvious or excessive consumption of alcoholic beverages or drugs will be grounds for disqualification.

K. All final drive belts must be covered top 180 degrees and all flywheel and clutch assemblies must be covered 360 degrees with 1/8" steel or 3/16" aluminum and be securely fastened to the frame or engine.

L. Engine Dampers must meet requirements of SFI Spec 18.1 is required. A bolt is required to secure damper to crank. FLYWHEELS and STARTER PULLEYS must be of billet steel or aluminum (no cast or stamped steel pulleys). No welded on fins. All starter pulleys must have a retaining device to prevent pulley from coming off crankshaft.

M. All tractors to be equipped with workable brakes.

N. Fenders: Fenders must extend a minimum of 4" in width and must cover the front of tire to its furthest point forward. It is recommended that the foot step be connected to front of fender to avoid your foot being pulled in by the tire.

O. NQS Tech official reserve the right to implement rule changes for safety and health reasons at any time.

P. These safety rules are established by the NGTPS to promote and ensure safe competition across all classes. These safety rules provide a baseline of safety requirements. All safety operations during the pull are the responsibility of the event promoter. Any additional measures to enhance safety are also the promoter's responsibility and should be communicated with NGTPS LLC and can be altered to promote a safe event for all pullers.

4. Chassis:

A. Open to two-wheel drive, rubber tired tractors, no dual wheels, chains or spikes . TIRES MUST BE NO LARGER THAN 26X12X12 FOR ALL TRACTORS.

B. All tractors must have at least a 3" seat back on all seats. Seat back must be rigid enough not to flex down excessively when leaned upon. 45 degree angle max

C. Drawbar will be horizontal and stationary in all directions. With hitching device not more than 3/4" in thickness and must have a 1 1/2" width/depth for hook. Pulling point may not be more than 3/4" from back edge of hitching device parallel to and not more than 13" above the ground.

Comment: Pulling hitch should be made of steel.

D. No portion of any tractor may exceed 6 feet in width. No portion of any tractor (except stock altered) may exceed 8 feet forward of the center of the rear wheel, including weights. **Stock Altered is 7 feet forward of the center of the rear wheel.**

Comment: No tolerance on the overall length.

E. No weights to extend beyond rear tires.

F. All Tractors must have a hood and Grill

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5. Fuel:

A. All tractors in all classes are to run Methanol (unless otherwise specified), with no additives. There are two U.S. Federal Grades. Grade A and AA. Either grade is permitted to use. Pullers should ensure that the methanol they purchase meets federal standards of purity. Methanol is tested at all NQS events by various chemical analyses as considered appropriate by the NQS Fuel Tech personnel. Deviation from the standards listed below in the fuel sample will result in disqualification. Methanol is a hygroscopic substance and readily absorbs moisture from the air, which rapidly renders methanol illegal as a fuel for use in NQS pulling. Pullers are cautioned to keep methanol containers tightly sealed at all times to minimize the absorption of water.

B. **Specification for Pure Methanol:**

Parameter	Grade A	Grade AA
Methanol Content, wt%, min	99.85%	99.85%
Acetone & Aldehydes, ppm, max	30	30
Acetone, ppm, max	20	20
Ethanol, ppm, max.	10	10
Acid(acetic acid), ppm, max	30	30
Water Content, ppm, max	1500	1000
Specific Gravity @ 20 °C	.7928	.7928
Permangnate Time, min.	30	30
Residual on evaporation, g/100ml	.001	.001

- Odor Characteristic
- Platinum-Cobalt scale, mix: 5:5
- Appearance: Colorless-clear

- Carbonizable impurities

C. Diesel fueled tractors must run diesel only with a dielectric value of no greater than 4.9 or less than 2.2. The dielectric meter shall use Cyclohexane to establish the zero reference point in determining all diesel fuel dielectric constant values. The use of additives containing oxygen, such as nitro methane, propylene oxide, dioaxane, MTBE, alcohol (methanol), or nitrous oxide is prohibited. These additives, and others of the oxygen-bearing family, will significantly change the dielectric values of diesel fuel.

D. **Gas:** must be either VP C-12 or VP C-15 unless otherwise noted. No oxygenated fuels allowed.

E. Fuel Injection is allowed in Super Stock, Nitro 30 Cubes in Lite Pro. Unlimited and Open Super Stock Classes (non-diesel-fueled engines).

F. No pressurized fuel tanks

G. No Nitrous Oxide.

H. Propylene Oxide is prohibited in all classes.

6. Tear Down and Illegal Vehicles

A. All top money winners will potentially have their engines checked for legality. Teching will include, but is not limited to, the engine. If a class has specific carburetor limitations listed in its class rules, carburetors may also be subject to removal from engine and inspection. Remember, if you do not want the NQS Tech Official to see parts of your engine not involved in the tear-down process, cover them appropriately. Any person who refuses to be inspected for eligibility by routine check of money winners shall not be allowed to enter and/or pull in the class in question until legality is verified. See Rule 1.

B. Protest of a competitor's vehicle must be filed in writing to a track official within 15 minutes of conclusion of class. A $250.00 cash protest fee must be submitted at that time. Tear down of protested vehicle must be done by a qualified tech official with the proper testing equipment. Only the tech person and the owner of the protested vehicle are allowed to be

present at the time of the tear down. If the vehicle is found to be illegal the protest fee will be returned. If the vehicle is legal the protested vehicle owner will receive the fee. Illegal vehicles will be disqualified for all pertaining classes entered for that event.

C. NQS Tech Officials can overrule any misprints in these rules.

D. NGTPS will maintain an Approved OEM Block Design List. Only blocks on this list are permitted. If a competitor wishes to add an OEM block design to the list, the design must first be submitted for review and receive NGTPS approval before use.

Class Specific Rules

Pro Stock:

1. 1050 lbs max
2. 50.5 in.³
3. Single cylinder Pro-Stock is defined as having a one cylinder, air cooled four cycle flat head, two valves same side, commercially produced manufactured cast block engine. Sleeves and welding permitted. Commercially produced manufactured cast block means made by Kohler, Wisconsin, Briggs, Tecumseh and etc. If copy is being made, copied block must meet basic manufactures specs for that engine being copied. Crank and cam location, deck height, two valves same side, valve angle (maximum valve angle of 6 degrees), intake and exhaust port location and factory head gasket bolt pattern.
4. No reverse port engines.
5. The camshaft must be gear-driven directly from the crankshaft, consistent with the traditional engine design for that type. Belt-driven, chain-driven, or other alternative camshaft drive systems are not permitted.

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6. A stock appearing in design, Kohler type carburetor must be used if other than stock for the model engine being used. Stand-off pipe or ram tubes are permitted. Choke may be removed. Single carburetor only. Air restricting Venturi must be located 2.4 inches +/- .25 from the mounting surface. Venturi is not to be larger than 1.200 in diameter and must be round in shape. Air controlled by butterfly in stock position (.875) +/- .125 from the carb mounting surface. Main jet location to be 1.8 inches +/- .200 from the carb mounting surface. No slides, no injection, naturally aspirated only. Bowl should remain factory size (2.350) and appearance for Kohler type carburetors. Overall length of the carb body is not to exceed 3.500 inches.

   The intent of this rule is to maintain a stock-appearing carburetor including the fuel bowl. Billet carburetors are permitted as long as they adhere to the specifications noted above. Any other configuration or newly designed carburetor must be submitted to NGTPS for review and approval <u>prior to use</u>.

7. Methanol only. See Rule 5.B
8. Wheelbase 56 inches maximum.
9. Overall length 96 inches maximum.
10. Top placing tractors will be checked for, but not limited to: Fuel, Deck Height, Carburetor, Cubic Inch and Factory Head Gasket Bolt Pattern. in.³: 50.500 in.³ zero tolerance. Formula for in.³ is Measured bore x measured bore x measured stroke x .785 = in.³. All bores measured 90 degrees from thrust side. Stock Head bolt pattern, stock head gasket must fit over studs or bolts.
11. 48 cubic inch stock appearing block K-series Kohler engines will be allowed to run with the same weight/hitch as the Pro Stock. 48c.i. engines will have the same rules as the 50.5 Pro stocks, with the following exceptions. Stock Appearing Block K-Series Kohler Engine, open carburetion (no fuel injection), external welding allowed on the blocks (all-thread okay), if engine is sleeved, sleeve cannot be externally visible. Must have head/block restraint.

Note: ***This allowance for 48 cubic inch engines in Pro Stock will expire at the conclusion of the 2025–2026 pulling season. These engines will no longer be permitted in Pro Stock competition beginning with the 2026–2027 season.***

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Super Stock:

1. 1050 lbs max
2. 50.5 in.³
3. Single cylinder Super Stock is defined as any tractor having one cylinder, air cooled four cycle, flat head, two valves same side of engine.
4. No reverse port engines.

    5. Intake and exhaust port locations similar to those of a commercially produced block that the engine is based on.
    6. If a new block design is created, it must still be based on an OEM block design. All new block designs must be submitted to NGTPS for approval and accompanied by certification before they can be released or used in competition.
    7. NGTPS will maintain an Approved OEM Block Design List. Only blocks on this list are permitted. If a competitor wishes to add an OEM block design to the list, the design must first be submitted for review and receive NGTPS approval before use.

8. The camshaft must be gear-driven directly from the crankshaft, consistent with the traditional engine design for that type. Belt-driven, chain-driven, or other alternative camshaft drive systems are not permitted.
9. Any type of Naturally Aspirated induction is permitted.
10. Electronic Fuel Injection (EFI) is not permitted.
11. Methanol only. See Rule 5.B
12. Wheelbase 56 inches maximum.
13. Overall length 96 inches maximum.

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14. Top placing tractors will be checked for, but not limited to: Fuel and Cubic Inch Limit. 50.500 in³. Zero tolerance. Formula for cubic inch is Measured bore x measured bore x measured stroke x .785 = Cubic Inch All bores measured 90 degrees from thrust side.

Super Stock Carbureted only:

1. Same rules as Super Stock but is limited to carbureted engines only
2. No fuel injection of any type allowed.

Super Stock X Class:

1. Same rules as Super Stock
2. Fuel Injected Engines run @ #1050/12 ¼" hitch
3. Carb engines run @ #1050/13" Hitch
4. Three Tractor Heats, Odd number tractors are added to the first two heats if needed and then the top 2 go to the finals in those heats.
5. No 1st puller option, but still has the false start at 75'.

30 Cubic Inch:

1. 1000lbs. max
2. 30 in.³
3. Single cylinder 30 Cube is defined as any tractor having one cylinder, air cooled four cycle, flat head, two valves same side of engine.
4. No reverse port engines.
5. Any type of Naturally Aspirated induction is permitted.
6. Electronic Fuel Injection (EFI) is not permitted.
7. If a new block design is created, it must still be based on an OEM block design. All new block designs must be submitted to NGTPS

for approval and accompanied by certification before they can be released or used in competition.

8. NGTPS will maintain an Approved OEM Block Design List. Only blocks on this list are permitted. If a competitor wishes to add an OEM block design to the list, the design must first be submitted for review and receive NGTPS approval before use.
9. Methanol only. See Rule 5.B
10. Wheelbase 56 inches maximum.
11. Top placing tractors will be checked for, but not limited to: Fuel and Cubic Inch Limit. 30.000 in³. Zero tolerance. Formula for cubic inch is Measured bore x measured bore x measured stroke x .785 = Cubic Inch All bores measured 90 degrees from thrust side.

Pro V-Twin:

1. Maximum engine size is 45.5 cubic inches
2. Billet heads are permitted; however, they must retain the traditional OEM port configuration and design for that engine model. Alterations that change the original port orientation (such as converting from side-ported to top-ported designs) are not allowed. Reverse porting is permitted.
3. Engines with aftermarket/and or welded stock heads will run @ 1050# with a 12.25” hitch. Stock head engines with no welding will run @ 1050# with a 13” hitch. On stock head engines only minimal epoxy will be allowed, no excessive use on the external portion of the intake port. Maximum allowable amount would be an area of not more the 1 square inch per head. Intake manifold must bolt directly to the stock intake flange on head with a maximum of .030” thick intake gasket. Adapters or flange extensions are Illegal. Switching of heads from one model and type to another is illegal.
4. Engine shielding rules: 1/8" steel or 3/16 aluminum on external side of cylinder extending from head gasket to frame. Shield must be

attached to frame at the bottom and to the flywheel shield at the top to make rigid.

5. Wheelbase 56 inches maximum.
6. Overall length 96 inches maximum.
7. Engines: Only OEM-manufactured Kohler V-Twin blocks are permitted in the Pro V-Twin class. Engines must remain factory air-cooled. No other V-Twin engine manufactured blocks will be accepted, and aftermarket or reproduction blocks are not allowed.
    - Front Cover / Timing Cover: The bolt-on front cover (timing cover) on Kohler V-Twin blocks may be replaced with a billet version, provided it follows the same general design and function as the OEM cover. Strengthening of this component and modifications to improve oiling systems are permitted.
8. Carburetor: Limited to one (1) carburetor with one (1) venturi with one (1) throttle butterfly. Maximum venturi size will be 1.200". No air entering after the 1.200" restriction.
9. Steel flywheel mandatory, along with the general flywheel shielding rules of 1/8" steel or 3/16" aluminum 360 degrees.
10. Fuel: Methanol Only

Pro V-Twin (Heads-Up)

1. Same rules as Pro V-Twin except all tractors will run 1050#
2. All tractors will run 13” hitch height. (even pro heads)
3. These rules can be changed in order to promote fairness of the type's tractors at any time during the season.

Stock Altered:

1. Single cylinder four cycle flathead engines only.
2. Engines must be Kohler, Wisconsin, Tecumseh or Briggs.
3. Engine blocks must have an OEM stock appearance. The current approved blocks are the K-Series Kohler block and the MWSC

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Stock Altered block. Any new blocks must be submitted to the NQS for approval prior to entry.

4. Engines must be factory productions or their OEM replacement with factory deck height.
5. Stock Head bolt pattern = stock head gasket must fit over studs or bolts.
6. Stock Head bolt location and head bolt size.
7. Maximum crankshaft stroke 3.25"
8. Maximum engine bore 3.780"
9. 36.5000 cubic inch limit
10. Maximum engine valve size 1.380
11. Maximum engine valve lift .330"
12. Maximum carburetor venturi size 1.00", no air entering after 1.00" restriction, venturi must be round in shape.
13. Carburetor must be mounted to the engine with no more than 1" spacer
14. No reverse port engines allowed carburetor must go to the original intake port.
15. Carburetor must be a stock appearing Kohler-type.
    - No aftermarket billet carburetors.
    - Factory bowl size
16. Billet heads permitted
17. Porting and polishing allowed
18. No external welding or external modifications allowed
19. All thread through finned area is acceptable
20. Welding permitted in crankcase area of the block for repair.
21. Methanol only. See Rule 5.B
22. Must run a factory appearing hood and grill.
23. Tractors must have garden tractor rear-ends.
24. Tractors must use stock appearing garden tractor frames.

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25. The front of the engine block can not exceed 52 inches from center of the rear axle. Front pulley and crank are allowed. (Hinkle Rule)

26. No front suspension systems, including air bags, are allowed. Front axles must remain rigid with no form of suspension.

27. Weight Class 1050 lbs., other weight classes may be pulled.

28. Wheelbase: 52 inches maximum

29. Top placing tractors will be checked for, but not limited to: Fuel, Bore, Stroke, Carb Size, Valve Lift & Valve Size and deck height. Cubic Inch: 36.500 Cu. In. No Tolerance. Formula for CU. IN. is Measured bore x measured bore x measured stroke x .785 = Cu. In. All bores measured 90 degrees from thrust side.

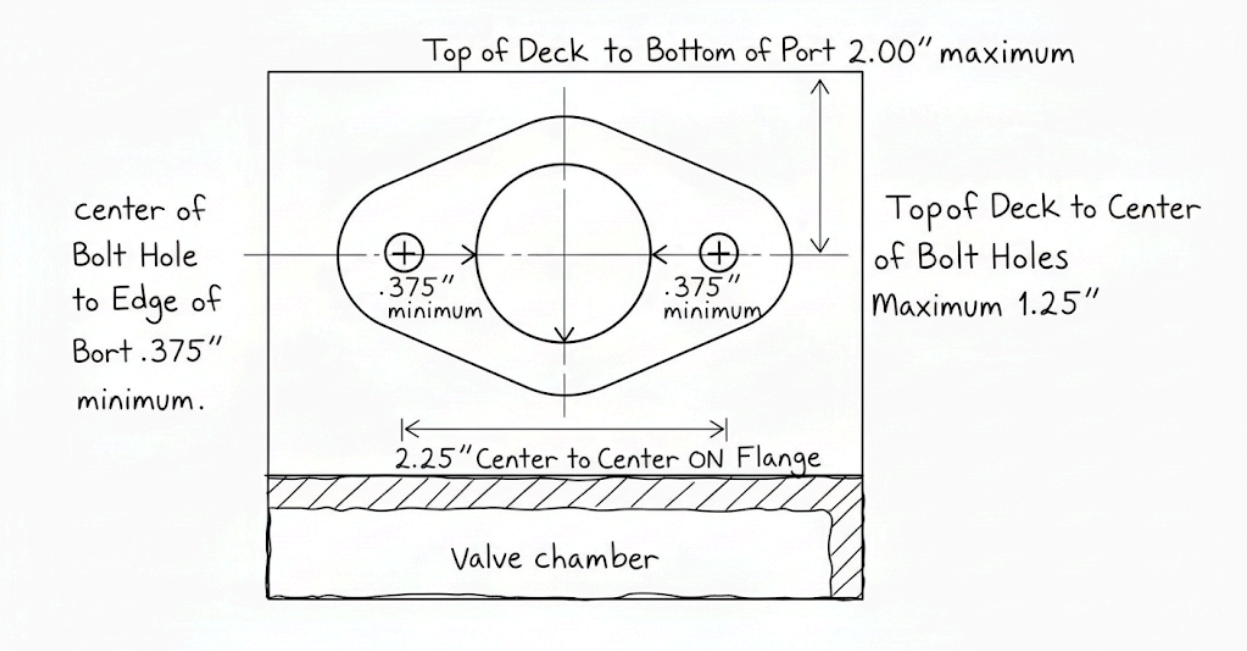
30. If running a factory Kohler produced block the maximum size bore will be 3.830" with a maximum cubic inch of 37.500.

Parameter	Measurement	Tolerance
Stroke	3.250"	0.010", must not exceed in^3 limit
Bore	3.780"	0.010" must not exceed in^3 limit
Carb	1.000"	0.001"
Valve Lift	0.330"	0.005"
Valve Size	1.380"	0.001"

31. Head Bolt Pattern: Stock Gasket must fit over head studs or bolts.

Storck Altered RULE CLARIFICATION: We are asked many times what can and cannot be done to the outside of the engine in the port area. Below we have defined what we will allow and disallow. Any intake port that's been braced or repaired ONLY, will be checked for stock carb mounting stud locations, center to center distance, height, and

port location. See Attached Diagram.



Limited Pro Stock Diesel Class:

1. Engine must be commercially produced with at least 1000 units built. Engines may be no more than 3 cylinders. May be liquid or air cooled. Engine block must have factory casting model and serial numbers visible and not ground off. Ag or industrial engines only; no automotive or motorcycle engines.No cut down 4 cylinder engines allowed.
2. Engine will be no more than 70 cubic inches. This is based on the factory casting numbers. No sleeving down or de-stroking larger engines.
3. Water injection will be allowed. Must be plain water only. Combustible agents (alcohol, oxygenators) are NOT allowed in water injection. Soluble oil Lube additives are permitted.
4. Engine modifications are permitted = Rods, Pistons, Cam, Fuel system.

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5. Engine must have OEM intake manifolds and exhaust manifolds, polishing is permitted. No tube headers or intakes.
6. Head work is permitted on stock OEM heads. No Billet heads. No overhead cams. Must be indirect injection. No converting from indirect to direct. Injectors must remain in stock location.
7. Injector and injector pump modifications allowed. No Billet injector pumps.
8. Must be "Cam Box" or "PFR" injection pump. No electronic or common rail injection systems.
9. Turbo charging is permitted, but limited to a single turbo only. Turbo will be fitted with a shut down guillotine on the compressor inlet side of the turbo. Exhaust "L" of turbo must have minimum of 5/16" cross in elbow with exhaust to discharge vertically.
10. Electric fuel supply pump is permitted with positive power wire to have shut off disconnect at rear of tractor.
11. No propane, nitrous injection or any type of secondary fuel system of any kind will be permitted.
12. All tractors must be compression ignition and use Diesel fuel only. No spark plugs or alcohol as a fuel. Diesel fuel must be NTPA or NQS legal.
13. Stock frames, stock appearing frame rails, and tube frames are permitted. Tube frames must be covered with sheet metal. 56” wheelbase maximum.
14. This class is for stock appearing tractors with full hood, grill and side shields. Must be recognizable as an actual modern production garden tractor or small farm tractor. Hood and grille can be from a different make than frame/rear end. Has to look like a tractor.
15. Must use garden tractor drive line components, modifications are allowed. Internal gears, front reduction housing and planetaries are allowed. No cut down automotive rear ends.
16. Full metal side shields to cover engine area minimum 16 gauge steel or 14 gauge aluminum.
17. Must run 5/16" cable around oil pan over top of valve cover in a complete circle connected with (2) cable clamps.

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18. Must run billet steel flywheel.
19. Clutch assembly and flywheel must be surrounded 360 degrees with 1/8" steel or 3/16" aluminum. This is also to include cast iron front balancer pulleys. SFI approved front dampers need not be shielded.
20. 1100 & 1150 lbs. weight classes
21. Kill switch device mounted on rear of tractor must disconnect power to electric fuel pump along with activating turbo guillotine.
22. Helmet face shield or goggles required. Gloves are recommended.
23. No belt driven cooling fans. Electric fans only.
24. Intercoolers and ice boxes are not permitted.
25. All NGTPS rules not in conflict with these apply.