

# Irish Tractor Pulling Committee

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## Irish Tractor Pulling Committee Tuned Tractor Pulling Rules v1.1

**ITPC** = Irish Tractor Pulling Committee

**Pit or Pits** = Tractor parking area.

**Tuned** = Tractors that are modified and customized  
for the sole purpose of Tractor Pulling

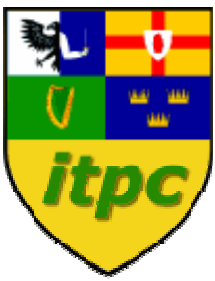
### 1. The Competition

- 1.1. All contestants participating in any Tractor Pulling event must have a current ITPC membership.
- 1.2. All teams must register tractors at the beginning of season to qualify for a position on the points table and have valid annual technical inspection.
- 1.3. All Tractors must be in the pits, registered and weighted at least 1 hour before the start of the competition.
- 1.4. All Tractors must remain within the track or pit boundaries during the competition or else be disqualified.
- 1.5. A Tractor may only be entered in a maximum of 2 classes, but with only one starting position in each class.
- 1.6. All drivers/pullers are responsible to know when they are pulling. No Delays will be tolerated.
- 1.7. All pulls shall operate with 2 flagmen; the first flagman is responsible for readiness of the track, sled and contestant. The second flagman is responsible for ensuring a safe and fare pull.
- 1.8. Driver must obey ITPC officials and flagmen signals at all times.
- 1.9. An attempted pull is defined as moving the sled a measurable distance.
- 1.10. The first 3 positions form the Super Farm Class may run in the modified classes if they so wish.
- 1.11. **Test Pull and Options**

- 1.11.1. Number 1 contestant will be the test puller and may take his/her pull if weight transfer is deemed right.
- 1.11.2. If the pull is deemed a test pull the contestant will pull again after 6 competitors have made their pull attempts.
- 1.11.3. The number 1 contestant or test puller is not disqualified or measured for running out of bounds on his/her first attempt only. He/she will be disqualified on their second or subsequent attempts if they go out of bounds.
- 1.11.4. If the weight transfer need further adjustment the first puller after each adjustment will be treated the same as the first puller.
- 1.11.5. All pulls must start with a tight chain. Contestants will be allowed a total of 2 attempt at 20 meters to start the sled. If the driver lets of the throttle before 20 meters he will be allowed a second attempt even if he/she passes the 20 meter line.
- 1.11.6. There will be no maintenance of the track before second attempt.
- 1.11.7. Jerking of the sled by backing out of the throttle or slamming on the brakes will be grounds for disqualification.

### 2. Safety & Responsibility

- 2.1. Drivers must operate their tractors in a responsible and safe manner both during a pull and in the pits. Any activities which may be classed as dangerous will lead to instant disqualification or suspension (one year and ten days).
- 2.2. All tractor drivers and owners are responsible for their own tractors and equipment and any loss or injury caused to any competitor or any third party, injured by their tractor, or any other vehicle or equipment owned by them.
- 2.3. The ITPC, show committee, and the safety stewards reserve the right to postpone, disrupt or cancel the event in the interest of safety, and reserve the right to refuse entry, or disqualify a competitor if all rules are not being adhered to. The ITPC's decision is final.
- 2.4. All tractors must be out of gear and must have handbrake applied for the hooking up and hooking off of the sled.



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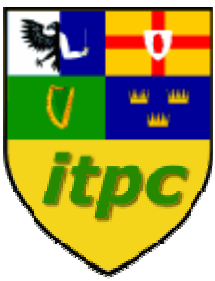
- 2.5. All tractor drivers and owners must insure that any tractor/s which he or she will use to take part in a tractor pulling event is in perfect working order.

### 3. Warranty Disclaimer

- 3.1. The rules of the ITPC or this book are intended as guidelines for the sport of Truck and Tractor Pulling. Rules relating to the safety of the equipment are the responsibility of each driver who participates in the sport of truck or tractor pulling under these rules.
- 3.2. No expressed or implied warranty of safety is intended nor may be inferred from the publication of these rules, nor the compliance therewith. Nothing herein should be construed as a guarantee against injury or death to participants, bystanders or spectators. Specifications and rules set forth in this rule book are based upon the recommendations of the ETPC/WPI/NTPA.
- 3.3. The ITPC, organisers, promoters, Field owners, and festival organisers assumes no liability for any loss or injury caused to any competitor or any third party, injured by any tractor, or any other vehicle or equipment during the event.
- 3.4. **Notice:**
  - 3.4.1. Competitors are reminded and encouraged to contact the ITPC board should they plan to build a competition vehicle employing new or unique processes or techniques: or are seeking to alter, change or modify existing competition vehicles, where such processes, techniques, or modifications could raise questions of legality in items of the rules regarding construction and/or safety.

### 4. The Team & Driver

- 4.1. Teams & Drivers must have good knowledge and comply fully with the rules stated.
- 4.2. Competitor must be at least 18 years old, or 16 years old with the written permission of a parent or guardian, and in possession of valid tractor driver's license.
- 4.3. Drivers must wear helmet in all classes, a safety uniform (boiler suit) is adequate for classes limited to 2800 rpm but a full Fire Suit is mandatory for all modified classes and classes with over 2800 rpm.
- 4.4. Teams & Drivers must be affiliated and valid paid up members of the ITPC.
- 4.5. Teams & Drivers takes part in event entirely at own risk.
- 4.6. Engine of a competing vehicle may only be started if driver is seated. Driver may only leave vehicle if engine has stopped completely.
- 4.7. Only the driver is allowed on a vehicle when it is towed or driving. NO riders in or on any vehicle on the entire grounds.
- 4.8. It is strictly forbidden for a driver and/or assistant under the influence of alcohol or any other type of drugs to compete or be in the track or pit area. Breaking this rule will be cause for disqualification and membership may be revoked.
- 4.9. Only the driver and one Team assistant are allowed on the track. If another member of the team enters the track area without permission disqualification may follow. The track is the area within the gates, including staging area after the weigh bridge.
- 4.10. Un-sportsman like conduct including abusive language and/or physical action towards event official, fellow competitor or spectator will be just cause for total disqualification from the event and membership may be revoked.
- 4.11. Every competitor has the right to file a protest in writing against another competitor in his class, if it is his opinion that the vehicle is not according to the rules, or against the event jury. A protest form can be obtained from the competition leader, accompanied by a € 50.00 deposit.
- 4.12. Every competitor has to come in front of the sled on his own power and has to leave the track after the pull on his own power, with the exception of breakage.
- 4.13. Driving on the entire grounds has to be no more than walking speed. Breaking this rule will be just cause for exclusion from the event.
- 4.14. The competitors in a class have to line up in starting order, following the directions of the competition leader or an appointed official.



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## 5. The Classes

### 5.1. Supper Farm 3.5 Ton (6 cylinder)

- 5.1.1. 420 cubic inch maximum
- 5.1.2. Maximum RPM = 2800
- 5.1.3. Max 1 turbo (intercooler acceptable)
- 5.1.4. Max 1 fuel pump
- 5.1.5. Approved Shatter Blanket or shielding 360° around bell housing may be used with minimum 10mm steel plate from the first oil seal in the gearbox to the engine block
- 5.1.6. Full 3mm steel/aluminum side shielding minimum must reach up to head gasket
- 5.1.7. Anti rollover bar (must be made from seamless approved steel pipe)
- 5.1.8. Steel assembly clutch recommended
- 5.1.9. 2 point lap safety belt sufficient
- 5.1.10. Drivers must wear helmet, a safety uniform (boiler suit) is adequate

### 5.2. Supper Farm 3.5 Ton (4 cylinder)

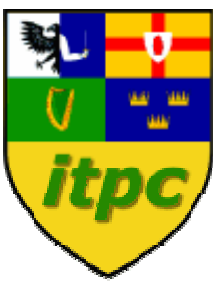
- 5.2.1. 420 cubic inch maximum
- 5.2.2. Maximum RPM = 2800
- 5.2.3. Max 1 turbo (intercooler acceptable)
- 5.2.4. Max 1 fuel pump
- 5.2.5. Approved Shatter Blanket or shielding 360° around bell housing may be used with minimum 10mm steel plate from the first oil seal in the gearbox to the engine block
- 5.2.6. Full 3mm steel/aluminum side shielding minimum must reach up to head gasket
- 5.2.7. Anti rollover bar (must be made from seamless approved steel pipe)
- 5.2.8. Steel assembly clutch recommended
- 5.2.9. 2 point lap safety belt sufficient
- 5.2.10. Drivers must wear helmet, a safety uniform (boiler suit) is adequate

### 5.3. Supper Sport 3.5 Ton

- 5.3.1. 510 cubic inch maximum
- 5.3.2. Maximum RPM = 2800
- 5.3.3. Max 1 turbo (intercooler acceptable)
- 5.3.4. Max 1 fuel pump
- 5.3.5. Steel assembly approved clutch
- 5.3.6. Full Approved Shatter Blanket
- 5.3.7. Full 6mm steel side shielding minimum must reach up to head gasket
- 5.3.8. 2 Wire ropes must be fitted 360° around engine and engine head, 10mm wire rope near driver and 12mm rope near front (talk to ITPC officials for more details)
- 5.3.9. Full ETPC approved anti rollover cage
- 5.3.10. 4 point safety harness
- 5.3.11. Drivers must wear helmet, and full Fire suit

### 5.4. Pro Stock 3.5 Ton

- 5.4.1. 420 cubic inch maximum
- 5.4.2. Unlimited RPM
- 5.4.3. Max 1 turbo (intercooler acceptable)
- 5.4.4. Max 1 fuel pump
- 5.4.5. Steel assembly approved clutch
- 5.4.6. Full Approved Shatter Blanket
- 5.4.7. Full 6mm steel side shielding minimum must reach up to head gasket
- 5.4.8. 2 Wire ropes must be fitted 360° around engine and engine head, 10mm wire rope near driver and 12mm rope near front (talk to ITPC officials for more details)
- 5.4.9. Full ETPC approved anti rollover cage
- 5.4.10. 4 point safety harness



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- 5.4.11. Maximum rim size 38 inches
- 5.4.12. Maximum tire size with 38 inch rim: 580/70R38 (20.0-38)
- 5.4.13. Maximum tire size with 34 inch rim: 620/75R34 (23.1-34)
- 5.4.14. Maximum tire size with 32 inch rim: 650/75R32 (24.5-32)
- 5.4.15. Drivers must wear helmet, and full Fire suit

## 5.5. Modified 3.5 Ton

- 5.5.1. 420 cubic inch maximum
- 5.5.2. Unlimited RPM
- 5.5.3. Max 3 turbochargers (intercooler acceptable)
- 5.5.4. Unlimited fuel pumps
- 5.5.5. Unlimited engines
- 5.5.6. Full Approved Shatter Blanket
- 5.5.7. Full 6mm steel side shielding minimum must reach up to head gasket
- 5.5.8. 2 Wire ropes must be fitted 360° around engine and engine head, 10mm wire rope near driver and 12mm rope near front (talk to ITPC officials for more details)
- 5.5.9. Full ETPC approved anti rollover cage
- 5.5.10. Steel assembly approved clutch
- 5.5.11. 4 point safety harness
- 5.5.12. Drivers must wear helmet, and full Fire suit
- 5.5.13. No portion of a modified tractor, including ballast weights, may exceed 4260mm forward measured from the centre of the rear axle. (front tow hook not included)

## 5.6. Modified 4.5 Ton

- 5.6.1. 420 cubic inch maximum
- 5.6.2. Unlimited RPM
- 5.6.3. Max 3 turbochargers (intercooler acceptable)
- 5.6.4. Unlimited fuel pumps
- 5.6.5. Unlimited engines
- 5.6.6. Full Approved Shatter Blanket
- 5.6.7. Full 6mm steel side shielding minimum must reach up to head gasket
- 5.6.8. 2 Wire ropes must be fitted 360° around engine and engine head, 10mm wire rope near driver and 12mm rope near front (talk to ITPC officials for more details)
- 5.6.9. Full ETPC approved anti rollover cage
- 5.6.10. Steel assembly approved clutch
- 5.6.11. 4 point safety harness
- 5.6.12. Drivers must wear helmet, and full Fire suit
- 5.6.13. No portion of a modified tractor, including ballast weights, may exceed 4260mm forward measured from the centre of the rear axle. (front tow hook not included)

## 6. The Tractor

### 6.1. Technical Inspection

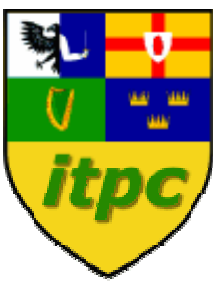
- 6.1.1. All tractors must be made available for routine technical inspection by ITPC officials.

### 6.2. Clutch

- 6.2.1. Absolutely NO cast iron components allowed in classes which exceed 2800 rpm.
- 6.2.2. Clutch must be a high-performance steel assembly type, on all classes which allow over 2800 rpm.
- 6.2.3. Approved Shatter blanket required on all classes which allow over 2800 rpm blanket must be of sufficient size and length to completely cover the 'rear most part' of the bell housing.
- 6.2.4. On classes limited to 2800 rpm shielding 360° around bell housing may be used with minimum 10mm steel plate from the first oil seal in the gearbox to the engine block

### 6.3. Drawbar

- 6.3.1. The drawbar design must be in accordance with ETPC rules.



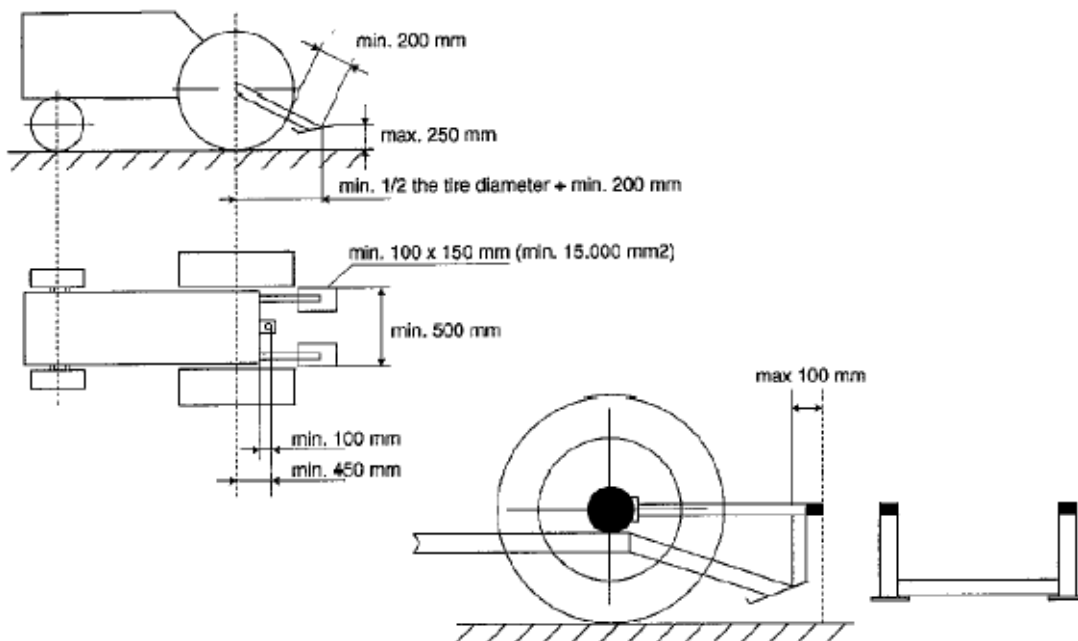
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- 6.3.2. The hook point can not be higher than 500mm, measured from the ground.
- 6.3.3. The drawbar must be measured prior to hooking to sled after which time the drawbar may not be altered.
- 6.3.4. Air pressure cannot be altered after drawbar is measured.
- 6.3.5. A drawbar shorter than 450 mm, measured from the center of the rear axle, is not allowed.

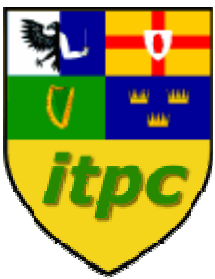
## 6.4. Stabiliser Bars

- 6.4.1. Stabiliser Bars are required. The drawbar and drawbar assembly will not in any way be attached to the stabiliser assembly.
- 6.4.2. The stabiliser bars will extend a minimum of 810mm behind a line drawn from the centre of the wheel to the ground.
- 6.4.3. The stabiliser pads must not be more that 250mm off the ground.
- 6.4.4. The stabiliser pads must be a minimum area of 15000mm<sup>2</sup> at the ground contact point, minimum with 100mm & length 150mm.
- 6.4.5. A minimum of 500mm is allowed from the outside of one stabiliser to the other.



## 6.5. Turbochargers

- 6.5.1. All turbochargers must be shrouded, except for inlet and exhaust pipes with steel or aluminum 2mm or thicker. The shielding may be integrated in the hood construction if material is 2mm or more steel or aluminum, grill cannot be part of the shielding.
- 6.5.2. For Pro Stock & Super Farm tractors, open bottom and side of the shielding are allowed under the following conditions:
  - 6.5.3. Must have complete closed hood construction
  - 6.5.4. The shielding must extend on both sides 50mm beneath the turbocharger to the ground
  - 6.5.5. The width must extend a minimum of 50mm passed the turbo (axial)
  - 6.5.6. The shielding must be mounted as close as possible to the turbo.
  - 6.5.7. The shielding must ensure that no wheels or other parts of turbo can leave the tractor in case of turbo explosion.
  - 6.5.8. Exhaust pipe thickness must be minimum 1.5mm from turbo to vertical part of exhaust pipe and securely mounted to turbocharger outlet flange.



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- 6.5.9. On radial engines all turbochargers/turbocompounders must be shrouded with 6mm thick steel covering the turbo wheel.
- 6.5.10. All intercoolers located outside of normal engine shielding must be shielded with 2mm steel.

## 6.6. Tractor Fittings

- 6.6.1. Roll over protection or anti roll frame is required.
- 6.6.2. Wheelie bars must be designed to support the weight of the tractor.
- 6.6.3. All tractors must be fitted with an approved kill switch.
- 6.6.4. All tractors must have side shields.
- 6.6.5. All tractors must have mud guards.
- 6.6.6. Competitors may be asked to remove homemade weights if they are considered to be unsafe. Weights shall be determined allowable or not allowable solely at the decision of the ITPC.
- 6.6.7. The ITPC reserve the right to disallow a tractor to take part in a competition, if they deem the tractor unsafe, unacceptable or non compliant with the rules.

## 6.7. Weights

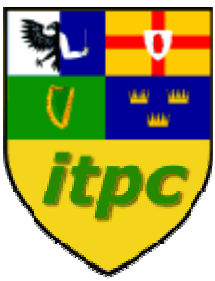
- 6.7.1. All Drivers must submit tractors for weighting before the start of the class.
- 6.7.2. The total weights mentioned are including the driver.
- 6.7.3. No weights may extend rearward beyond the rear tires.
- 6.7.4. Weights must not pose any danger to the driver, or interfere with his mobility in any way.
- 6.7.5. The weights must be securely fastened.
- 6.7.6. The front weights and/or front weight carrier may not extend further forward than 1100mm to the front of the vehicle, measured from the front of the grill, excluding front hook point.
- 6.7.7. A space of 300 mm wide and 400 mm high above the drawbar has to be clear of any obstacle (including weights and stabilizer bars) for easy access during hooking and unhooking of the sled chain.
- 6.7.8. A competitor has to be able to drive his tractor over the weigh bridge without the weights touching the weigh bridge in any way.
- 6.7.9. Any ballast lost while hooked to sled and under a green flag will be cause for disqualification (internal breakage excepted).

## 6.8. Tires

- 6.8.1. Only rubber tires are allowed. Steel cams, chains or something like that are not allowed.
- 6.8.2. A limit of 30.5 inch or 800/65mm is put on the width of tires.
- 6.8.3. The maximum rim diameter is limited to 32 inch on tire widths over 24.5 inch
- 6.8.4. The width of the tire is defined by the figures put on the tire by the manufacturer.
- 6.8.5. Double tires are not allowed.

## 7. Protests & Disputes

- 7.1. All Protests & disputes will follow established ETPC rules:
- 7.2. All Disputes, complaints & protests must be submitted in writing on the proper form within 15 minutes of the end of the class that is being protested, and must be signed by the protester.
  - 7.2.1. Fee for protests are as follows: Visual = €200      Cubic Inch (Brake down) = €750
  - 7.2.2. All Protest must be paid in CASH. Only one person shall sign the protest form.
  - 7.2.3. €100 from protest fee for brake down is paid to the official in charge of the teardown. Remainder of brake down fee is returned to protestor or given to protested party pending the outcome of teardown.
  - 7.2.4. The officials and the protested party are the only persons permitted near the vehicle during the protest. Protester is NOT involved with the inspection of the vehicle.
- 7.3. Fees do not apply to ITPC official inspections or quires.



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- 7.4. Any Dispute over the classification of a particular tractor will be settled solely at the discretion of the ITPC committee. The ITPC's decision is final.
- 7.5. In the event of any dispute, incident or other unforeseen happening, the ITPC reserves the right of final judgment.
- 7.6. If an incident occurs which is not covered by these rules, then the ETPC rulebook rules will be applied by the ITPC officials.