



125 P&R TECHNICAL REGULATIONS 2025

Please read these regulations in conjunction with the Retro Kart Championship Sporting Regulations and 2025 Noise Regulations

Technical Regulations

The regulations laid out here are class specific and supplement the General and Sporting Regulations laid out by RKC

1. Chassis

- 1.1. Any chassis first used before 1st January 1983.
- 1.2. Chassis will be treated on an individual basis and must meet the requirements laid out in these regulations.
- 1.3. Removal/adding of any part of the chassis is not permitted, Example: removing/adding a bearing hanger.

2. Bodywork, Bumpers & Pedals

- 2.1. Bodywork if fitted must be fibreglass.
- 2.2. Front and rear bumpers are Mandatory and must be metal (magnetic).
- 2.3. Pedals must not exceed the front bumper.
- 2.4. Throttle pedal must be fitted with a return spring.

3. Steering & Front Geometry

- 3.1. The front stub axle's maximum diameter is 22mm.
- 3.2. Ackerman steering is not permitted.
- 3.3. Steering wheels must be round.
- 3.4. Steering wheels must be vinyl or leather.

3.5. Steering column collar must be fitted below top column bush (where possible).

4. Rear Axle

4.1. Maximum rear axle diameter must not exceed 30mm.

4.2. Rear hubs

4.2.1. Hubs with one fixing bolt must not protrude beyond the axle end and must have a circlip or split pin on the axle end for security.

4.2.2. Hubs with two fixing bolts may protrude the end of the axle.

5. Brakes

5.1. Brakes may be hydraulic or drum.

5.2. Brakes must be effective on all 4 wheels.

5.3. Brake disc must be steel or cast iron with a maximum thickness of 8.5mm, floating discs are not permitted unless originally fitted by manufacturer.

5.4. Wavy discs are not permitted.

5.5. Brake safety cable is Mandatory, where possible, and the cable must be a minimum of 2mm thickness.

6. Wheels & Tyres

6.1. Maximum diameter of wheel is 5" with a maximum width of 212mm.

6.2. Magnesium wheel rims are not permitted.

6.3. The only tyres permitted are as follows:-

6.3.1. Dry – Maxxis Sport.

6.3.2. Wet – Maxxis Green SLW.

6.4. 1 set of dry tyres per event, you will need to register the barcodes with the scrutineer.

6.5. In case of dry tyre failure (eg puncture) you must report immediately to the scrutineer and the decision of a replacement tyre may be permitted.

6.6. Mixing of wet and dry tyres is not permitted.

6.7. Electrical equipment for warming tyres is not permitted.

6.8. Chemical applications to the tyres is not permitted.

7. Seat

7.1. Seat must be free of damage and support the driver.

7.2. Seat must be a plain coloured shell.

7.3. Upholstered or part upholstered seats are not permitted.

7.4. Seats must be securely fitted by a minimum of 4 bolts of at least 8mm diameter and must have washers between the seat and all seat supports, steel washer or plastic washer is permitted. Washer dimensions a minimum of 1.5mm thick, 40mm diameter.

7.5. A maximum of one additional seat stays per side are permitted.

8. Engine

8.1. Engines are permitted if used previously in UK period prior to January 1983 (See Appendix for list of engines).

8.1.1. Any Non listed Engines please contact the series organiser.

8.2. Engine must use original stroke. Eg same as the year it was manufactured.

8.3. Engines must be Air cooled.

8.4. Engines must be single cylinder.

8.5. Engine must have same external features as manufactured.

8.6. A maximum of 2mm oversize bore is permitted above the original manufacturer's standard bore size

8.7. Tuning is open.

8.8. Power valves are not permitted.

9. Ignition

9.1. Analogue Ignition systems such as PVL, Motoplat, Selettra, or Femsas, HPI and Electrex are permitted.

9.2. The use of digital or programmable ignition systems is not permitted.

10. Intake

10.1. Flat slide carburettors are not permitted.

10.2. Maximum venturi 36mm at any point.

10.3. The use of power jet systems is not permitted.

10.4. Airbox is mandatory, no modifications allowed (eg additional holes).

10.4.1. Airbox must be sealed to carburettor mouth.

10.4.2. K&N filter, if used must be as per appendix part number and dimensions

10.5. Maximum of 2 trumpets in airbox.

10.6. Maximum diameter of trumpets no greater than 30mm.

11. Exhaust

11.1. Exhaust must be contained within the perimeter of the kart.

12. Noise

12.1. Intake and Exhaust silencing is mandatory.

12.2. Fin rubbers are mandatory on cylinders and cylinder heads; these may be solid pieces or moulded using silicone/butyl sealant.

12.3. Competitors must ensure that engines are prepared and equipped in order to meet or better sound level requirements.

12.4. Please refer to the RKC Noise Regulations for guidance to ensure the best possible steps are made to ensure compliance is met.

13. Miscellaneous

- 13.1. Karts must use Blue plates with White numbers, numbers to be visible to both front and rear.
- 13.2. Chain guards must be securely fastened and cover the length of the chain.
- 13.3. Datalogging is not permitted.

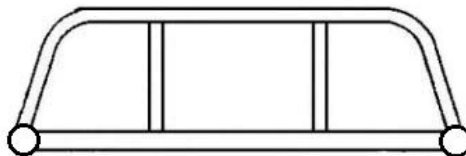
14. Weights

- 14.1. Minimum weight for kart and driver are as follows:-
 - 14.1.1. 125 P&R - 165Kgs

Appendix A

2 Bodywork, Bumpers and Pedals

2.2 Rear Bumper



Lower bar must be permanently fitted (eg bolted,welded) and must have a minimum diameter of 18mm.

8 Engine

8.1 Engine list

Aspes	KTM
Honda	Husqvarna
Yamaha	Cagiva
Suzuki	Sachs
Kawasaki	Tau

10 Intake

10.2 Venturi



Maximum size
36mm,
at any point

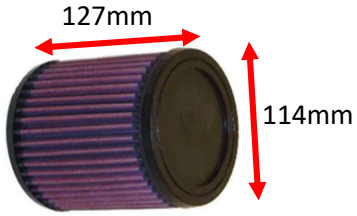
10.4 Airbox

Allowed

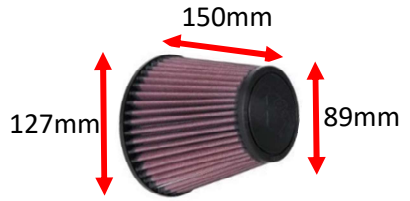


Airbox examples, intakes can be: rear, side or top

K&N RU-0840



K&N RC-9640



10.6 Intake Trumpet

Maximum size 30mm

