



250 CLASSIC TECHNICAL REGULATIONS 2025 v2.

Version control:- 08/01/25 Revision to error clause 5.3

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

1. Chassis

- 1.1. Any fixed geometry chassis produced prior to 1986.
For the avoidance of doubt the Anderson AK was commercially introduced at the Trentham Gardens Kart Show in February 1988 and is therefore not eligible for this class.
- 1.2. Chassis must be as originally manufactured with 3 pedal setup.
 - 1.2.1. 2 Pedal adaption is permitted (see Appendix A).
- 1.3. Chassis will be treated on an individual basis and must meet the requirements laid out in these regulations.
- 1.4. Removal/adding of any part to alter the basic design of the chassis is not permitted, Example: removing/adding a bearing hanger.
- 1.5. Seat post modification and addition of side bar fixing points are permitted. Repairs and reinforcements are allowed.
- 1.6. The chassis wheelbase must remain as originally designed and built.

2. Bodywork, Bumpers & Pedals

- 2.1. Side bars / nerf bars are mandatory and must be of a design and construction to adequately protect the area ahead of the rear wheels:
 - 2.1.1 Where short nerf bars were originally fitted by the manufacturer these are acceptable.

- 2.1.2 Where mounting points were fitted by the manufacturer the appropriate bars must be bolted in place at all times.
- 2.1.3 Where mounting points are not fitted by the manufacturer. fixing points must be added to adequately support the fitment of side/nerf bars. The use of mushroom clamps and/or jubilee clips will not be deemed acceptable.
- 2.2. Bodywork: nassau panel or bubble are the only permitted bodywork and must be fibre glass.
- 2.3. Front and rear bumpers are Mandatory and must be of magnetic steel construction. Rear bumpers must include a fixed lower crossrail between the main chassis tubes and an additional 2vertical tubes within the main structure; all tubes having a minimum diameter of 18mm. (see Appendix)
- 2.4. Pedals must not protrude beyond the front bumper when in operation.
- 2.5. 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. Maximum width 1220mm.
- 3.3. No form of camber adjustment is permitted, eg camber pills.
- 3.4. Front track width adjustment may only be made by the use of additional spacers. Sliding hubs are not permitted. (see Appendix).
- 3.5. Ackerman steering geometry is not permitted.
- 3.6. Steering wheels must be round.
- 3.6.1. Data logger style steering wheels are not permitted.
- 3.7. Steering column collar must be fitted below top column bush.

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.
- 4.3. Maximum width must not exceed 1400mm.

5. Brakes

- 5.1. Brakes may be hydraulic or drum.
- 5.2. Brakes must be effective on all 4 wheels.
- 5.3. Maximum of 1 piston per pad.

- 5.4. 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.
- 5.5. 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. See Sporting Regs.
- 6.6. Mixing of wet and dry tyres is not permitted.
- 6.7. Pre warming of 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. 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.
- 7.3. A maximum of one additional seat stay 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. Engine must be Air cooled.
- 8.4. Engine must have the same external features as manufactured. Bent, broken or repaired cooling fins are acceptable.
- 8.5. A maximum of 2mm oversize bore is permitted above the original manufacturer's standard bore size.
- 8.6. Tuning is open.

- 8.7. Power valves are not permitted.
- 8.8. Fuel pumps must be axle or pulse type.

9. Ignition

- 9.1. Analogue Ignition systems such as PVL, Motoplat, Selettra, Femsa, 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 38mm at any point.
- 10.3. The use of power jet systems is not permitted.
- 10.4. Intake silencer Mandatory (see types Appendix)
- 10.4.1. Intake silencer must be sealed to carburettor mouth.
- 10.4.2. K&N filter, if used must be as per Appendix A – no other model permitted.
- 10.5. If an airbox is used the maximum number of trumpets is 2 each with a maximum internal diameter of 30mm and no other holes may be present that allow the intake of air.

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 General and Sporting Regulations (Noise Regulations) for guidance to ensure the best possible steps are made to ensure compliance is met.

13. Miscellaneous





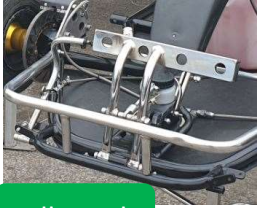

- 13.1. Karts must use White plates with Black numbers, numbers to be visible to both front and rear.
- 13.2. Chain guards must be securely fastened and cover the length of the chain.
- 13.3. Datalogging is permitted but is restricted to laptimes and rpm. Additional sensors for pedal or steering position, lambda or exhaust gas temperature are not permitted.

14. Weights

- 14.1. Minimum weight for kart and driver are as follows:-
250 Classic - 180Kgs single cylinder engines, 190Kgs twin cylinder engines.
- 14.2. If ballast is required it must be fitted using 2 mechanical fixings. A maximum of 5kgs per fixing point.

Appendix

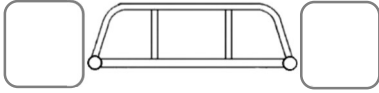
1 Chassis

| 1.1 Fixed geometry chassis | | |
|--|--|---|
|  |  |  |
| | Allowed | Not Allowed |
| 1.2.1 Pedal arrangement | | |
|  |  |  |
| Allowed | Allowed | Not Allowed |

2 Bumpers Bodywork

2.3 Rear Bumper

Allowed



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

3 Front Geometry

3.3 Castor/Camber

Allowed



Not Allowed



3.5 Hub types

Not Allowed

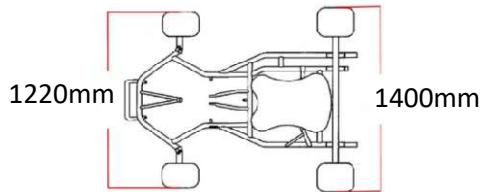


Examples of Sliding hubs

3 and 4 Front and Rear Widths

3.2 Maximum Width Front

4.3 Maximum Width Rear



8 Engine

8.1 Engine list

Honda CR250

Yamaha YZ250

Suzuki RM250

Kawasaki KX250

Rotax 244

Suzuki T20 / T250 / GT250

Maico MC250

Husqvarna 250 Cross

KTM 250

Cagiva 250MXR

Can-Am MX6

Yamaha YDS7 /RD250 / TD3

10 Intake

10.2 Venturi



Maximum size
38mm,
at any point

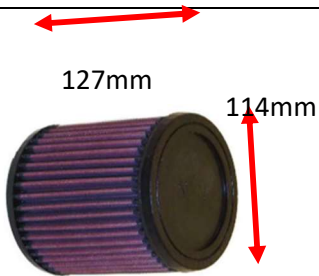
10.4 Airbox

Allowed

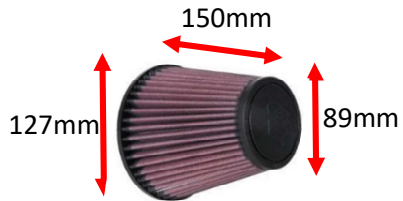


Airbox examples, intakes can be: back side or top

K&N RU-0840



K&N RC-9640



10.6 Intake Trumpet

Maximum size 30mm

