125 CLASSIC TECHNICAL REGULATIONS 2025

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

1. Chassis

1.1. Any fixed geometry chassis of British origin (see Appendix A).

1.2. Chassis must be has 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 of the chassis is not permitted, Example: removing/adding a bearing hanger.

1.5. Seat post modification is permitted.

1.6. The chassis wheel base must remain as originally designed and built.

2. Bodywork, Bumpers and Pedals

2.1. Sidebars are mandatory and must be same has original when the chassis was manufactured.

2.2. Bodywork nassau panel or bubble are the only permitted bodywork and must be plastic or fibre glass (Up to CIK 02 plastic nassau).

2.3. Front and rear bumpers are Mandatory and must be metal (magnetic).

2.4. Full width rear bumpers are Mandatory (see Appendix A).

2.5. Pedals must not protrude beyond the front bumper when in operation.

2.6. Throttle pedal must be fitted with a return spring.

3. Steering & Front Geometry

3.1. The front stub axle's maximum diameter is 20mm.

3.2. Maximum width 1220mm.

3.3. Castor/camber bars are not permitted (see Appendix A).

3.4. No form of castor or camber adjustment is permitted, eg castor camber pills.
3.5. Front track width adjustment is either additional spacers or sliding hub type (see Appendix A).
3.6. Ackerman steering geometry is not permitted.
3.7. Steering wheels must be round.
3.7.1. Data logger style steering wheels are not permitted.
3.8. Steering column safety 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 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 must be hydraulic.
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, floating discs are permitted
5.5. Brake safety cable is Mandatory 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. Aluminium or Magnesium wheel rims are 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 in your online garage or 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. 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 is permitted.
7.4. Carbon or Kevlar seats are not permitted.

8. Engine

8.1. (See Appendix B for full list of engines).
  8.1.1. Any Non listed Engines please contact the Technical Scrutineer.
8.2. Engine cubic capacity must not exceed 125cc.
8.3. Engines must be Air cooled.
8.4. Engines must be single cylinder.
8.5. Engine must have same external features as manufactured
  8.5.1. If the engine utilises a Rotax type cylinder, this may be replaced with the Racing Cylinder Services/RKC approved cylinder
8.6. Maximum gears: 6.
8.7. Tuning is open.
8.8. A new cylinder and cylinder head manufactured by Racing Cylinder Services, approved by Retro to replace the original Rotax type cylinder and head items, are permitted.
8.9. Power valves are not permitted.

9. Ignition

9.1. Ignition must meet the following criteria: (See Appendix)
  9.1.1. Must be Analogue, consisting maximum of 3 components. Coil, Stator, Rotor
  9.1.2. Digital or programmable ignition systems are not permitted.
  9.1.3. The use of ignition advance/retard boxes is not permitted.
  9.1.4. The Minarelli Rotary is allowed its original battery powered Krober ignition.

10. Intake

10.1. Round slide carburettor only are permitted.
10.2. Maximum venturi 38mm at any point.
10.3. The use of power jet systems are not permitted.
10.4. A CIK Airbox is mandatory, no modifications allowed
  10.4.1. Airbox must be sealed to the carburettor mouth
  10.4.2. Airbox must contain a Foam Filter / Intake Silencer. (See Appendix).

10.4.3. The Foam filter must be intact and complete with no rips tears or sections missing, all air entering the engine must pass through the foam

10.5. Maximum of 2 trumpets per airbox.

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

11. Exhaust

11.1. The exhaust system must discharge behind the Driver and must not exceed a height of 45cm.

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

11.3. Exhaust system, including silencer must be a gas tight fit

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 Green plates with White numbers, numbers to be visible front and rear.

13.2. Magnesium components are permitted.

13.3. Chain guards must be securely fastened and cover the length of the chain

13.4. Datalogging is permitted.

14. Weights

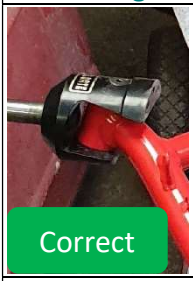
14.1. Minimum weight for kart and driver are as follows:-

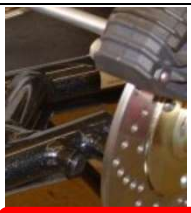
14.1.1. 125 Classic - 170Kgs.

Appendix A

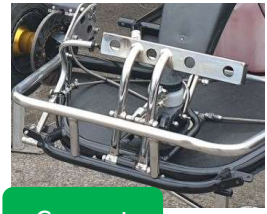
1 Chassis

1.1 Fixed geometry chassis





1.2.1 Pedal arrangement



2 Bodywork, Bumpers and Pedals

2.4 Rear Bumper

Lower pencil bar must be permanently fitted (eg,welded)

3 Front Geometry

3.3 Castor/Camber

Correct

Incorrect

3.5 Hub types

Correct

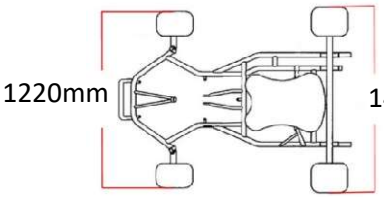
Incorrect

Examples of Sliding hubs

3 and 4 Front and Rear Geometry

3.2 Maximum Width Front

4.3 Maximum Width Rear



8 Engine

8.1 Full Engine list see Appendix B

8.8 Racing Cylinder Services approved cylinder
  

9 Ignition

Correct	Incorrect
	
3 Components Rotor, Stator, Coil	4 Components Rotor, Stator, Coil, Box

10 Intake

10.4 Airbox

Correct

Incorrect

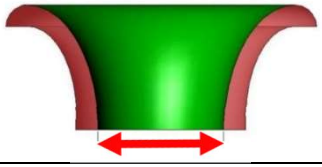
Airbox examples, intakes can be: front side or top

10.4.2 Foam Filter Types

Correct

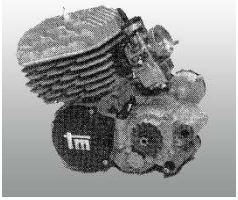
10.6 Intake Trumpet

Maximum size 30mm



Appendix B

Engine types

Rotax 124	Pavesi Tipo B
	
Mac Minarelli Reed	TM K2
	
Mac Minarelli Rotary	TM K3
	
Pavesi Tipo A	TM K5