

A detailed technical line drawing of a slot car chassis, showing various components like the motor, gears, suspension, and frame. The drawing is rendered in a light grey color and serves as a background for the page.

TECHNICAL SPECIFICATIONS

GT12

PREMIER CLASS

2.3 GT12

2.3.1 All cars must comply with the following specifications at the commencement of and during each event:

2.3.2 CARS

2.3.2.1 Cars shall have a maximum overall width of 83mm.

2.3.2.2 Cars shall have a maximum height of 40mm measured from the track surface.

2.3.2.3 No part of the car, except braids, tyres and skids, shall touch the track when stationary.

2.3.3 BODIES

2.3.3.1 Bodies shall be Commercially Available 1/24th sports racing prototype silhouette bodies. (These are generally listed by manufacturers such as GTP, GT1 or LMP bodies.)

2.3.3.2 Bodies shall be painted or otherwise finished in a presentable manner, with transparent windscreen where applicable.

2.3.3.3 Bodies shall have cut out or clear wheel arches which at least correspond in position and size with the wheels on the chassis. Not applicable if a wheel decal or painted wheel facsimile is used.

2.3.3.4 Front-wheel decals or a reasonable hand-drawn/painted facsimile ± 16 mm in diameter may be applied instead of chassis-mounted front wheels. These must correspond to the position of the front wheels as provided on the body shell.

2.3.3.5 Bodies shall have, in the appropriate position, a presentably painted 2 or 3-dimensional driver consisting of the head, shoulders, hands and the upper half of a steering wheel.

2.3.3.6 Bodies shall clearly display two racing numbers, with a minimum height of 6mm; numbers will be issued based on the results of the Open Class from the previous season. The organisers will allocate racing numbers to overseas entrants.

2.3.4 CHASSIS

2.3.4.1 Chassis must be commercially available.

2.3.4.2 Chassis must be available in kit form or assembled RTR form and must retail for less than R2,800.00 when assembled.

2.3.4.3 Chassis may be modified, provided that the original design is not altered.

2.3.4.4 Weight may be added to the top of the chassis but magnetic traction aids are not permitted.

- 2.3.4.5 Chassis shall not project from the body, or be visible when viewed from above.
- 2.3.4.6 Rear axle ball bearings are permitted.
- 2.3.4.7 Skids may be added to the front of the chassis but must conform to the shape and size of the chassis.

2.3.5 GUIDE

- 2.3.5.1 The guide shall be made from a plastic, nylon, or other non-metallic material.
- 2.3.5.2 The guide shall present a smooth surface to the slot and have no sharp edges, which could damage the track surface.
- 2.3.5.3 The guide pivot mounting shall be fixed and centred on the chassis when viewed from the front.
- 2.3.5.4 The guide shall have a maximum length of 28mm and may penetrate the slot by no more than 6.35mm.
- 2.3.5.5 The guide shall be fully enclosed by the body used.
- 2.3.5.6 Weighted guides are not permitted.

2.3.6 TYRES

- 2.3.6.1 Driving wheels shall be fitted with tyres made from black sponge rubber.
- 2.3.6.2 If non-driving wheels are fitted, the tyres shall be made from rubber or similar material and must be visible from the sides.

2.3.7 AIRDAMS & SPOILERS

- 2.3.7.1 No additional aerodynamic devices may be fitted.

2.3.8 MOTORS

- 2.3.8.1 Only Group 12 "C" Can and Euro Mini-Can (FK) based motors are permitted, and they shall be Commercially Available.
- 2.3.8.2 Only manufacturer tagged Group 12 ('12', 'H12', 'X12') armatures are permitted. Such armatures may be hand-wound and have drill blank shafts.
- 2.3.8.3 Brushes may be shunted.
- 2.3.8.4 Can and endbell ball bearing may be fitted.
- 2.3.8.5 Motors may be shortened.