

Technical Regulations

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Body	<p>Modern scaled Le Mans Prototypes (LMP 1, LMP 2 and DPI) of the last 5 years (from 2015 upwards for season 2020). Scale 1:24.</p> <p>The model car should match the role model (real car) as close as possible. There is no concours but the race organization reserves to prohibit cars that are too far away from that.</p> <p>There is just one body allowed for the entire race.</p> <p>The body has to cover all parts of the chassis and wheels (bird's eye view). Only exception: The fender holes are allowed to be opened like on the role model.</p> <p>Allowed divergences to the role model:</p> <ul style="list-style-type: none">- To get enough space for the gear, the rear fenders can be widened or added with a separate „gearhood“- Bodies are allowed to be widened to a maximum of 83mm in width. Please keep the original appearance as much as possible. <p><u>Following parts has to be added to the body (Minimum, only if existing at the role model)</u></p> <ul style="list-style-type: none">- Windscreen, side windows- Wiper- Mirrors- Antennas- Frontsplitter- Rearwing- Diffusor- Bonnets and fuel tank cap- Dashboard- Steering wheel- Driver with harnesses (decal, painted or real)- Head/Helmet- Seat <p><u>Materials</u></p> <ul style="list-style-type: none">- Body: Plastics, CFRP (carbon), GFRP or Resine- Inlet/Driver: Lexan.- Diffusor, head/helmet, rear wing, rear fin, windscreens/windows (clear) and other small addons: Free in material
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<p>Lights</p>	<p>The car must have permanent lights at the original (or as near as possible) positions.</p> <ul style="list-style-type: none"> - Rear min. 2 LED - colored „red“ - Front min. 2 LED - colored “white” or “yellow” <p>During the night section the lights have to be turned on and a min. of 1 LED front and 1 LED rear during the motion of the car has to deliver consistent light.</p> <p>Additional position lights are allowed but don`t touch the last preceding rule.</p> <p>In case there is a connection plug used, it may not have more than 0,5g on the body side.</p> <p>All used wiring in the body is allowed as paint wire with a maximum diameter of 0,25mm or isolated wire with a maximum overall diameter of 0,5mm including the isolation. Background, it is not allowed to produce additional weight with the light-wiring. In case of doubt the technical inspection decides about this.</p>																										
<p>Chassis</p>	<p><u>Legal Materials</u></p> <p>There is only brass, aluminium, CFRP (carbon), GFRP and magnetic steel for the groundplate allowed.</p> <p>Any painting, covering, sealing or similar is prohibited to ensure a proper control of that.</p> <p>On the underside of the groundplate clear painting or clear foil is allowed.</p> <p>This means, there is no other material allowed in the zone up to 1,5mm from the lower edge of the chassis. (Except for M2 screws).</p> <p>The Chassis material above this zone is free.</p>																										
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<p>Motor</p>	<p>- JK Retro Hawk</p>																										

Gearing	<ul style="list-style-type: none"> - Pinion 8 Teeth (Free Material and Manufacturer) - Gear 46 Teeth (Free Material and Manufacturer)
Guide	<p>The Guide is made of plastics. No other materials may be added to the guide. The form of the guide may be changed only by removing material. Maximum length of the guide: 27mm</p>
Wheels /Rims	<p><u>Front Wheels</u> Front rims inner diameter: min. 19 / max. 21 mm Front wheels outer diameter: min. 26 mm (sponge rubber, black) Wheel width: min. 6 mm (min. 6 mm contact to ground)</p> <p><u>Rear Wheels</u> DoSlot (47 Shore)</p> <p><u>Wheel Inserts:</u> Threedimensional inserts in original look or similar, in all 4 wheels during the entire race.</p>
Dimensions / Weights	<p><u>Complete Weight:</u> 160 - 175 Gramm</p> <p><u>Body:</u> min. 20 gr. This has to be „real“ body weight which means, no double chassis mounts, moving ballast weights or similar things. The race control will decide about that. If the body is built too light, an equal amount of weight has to be fixed over the front and rear axle in the body.</p> <p><u>Body Mounts:</u> The weight of the body mounts has to be a max. of 4g, including screws and sponge rubber. (In case the technical marshalls have doubts about that, there should be an extra set of mounts to prove max. weight) Parts of the lights (battery, goldcap, controller) that are placed in the body, will be counted to the allowed 4g for the body mounts. This means, weight has to be proven in case of doubt! If the parts have more than 4g, the additional weight has to be added to the min. weight of the body.</p> <p><u>Track Width:</u> max. 83 mm</p> <p><u>Chassis Width:</u> max. 78 mm The maximum chassis width is 78mm, outside of this 78mm may be no other material than the body itself, CfK, GfK and the body mount gum. Background for this is to prevent from the opportunity to create additional weight outside the maximum chassis width.</p>

	<p><u>Ground Clearance:</u> <u>At the start of the race:</u></p> <ul style="list-style-type: none">- Body and Chassis min. 1,2 mm <p><u>During the race:</u></p> <ul style="list-style-type: none">- min. 0,6 mm whole chassis after the second and last servicetime, body not touching the ground
Basics	<p>Alle dimensions and weights are obligatory for the entire race and can be checked by the race marshalls at any time.</p> <p>If there are any irregularities the car has to be made legal immediately.</p> <p>According to that, note the penalty catalogue.</p> <p>The decision about the legality of the car is made by the race marshalls.</p> <p>Regulation and details in the FAQs are binding!</p>