



# WORLD OF MOTORSPORT ZA

P.O. Box 12387, Brakpan North, 1545  
 18 Main Reef Rd Brakpan (on the premises of Rock Raceway)  
 Tel: 011-740 1206 / 740 8315 Fax: 086 508 2388 email: [womza@telkomsa.net](mailto:womza@telkomsa.net)  
[www.womzasa.co.za](http://www.womzasa.co.za)

## 2016-2017 16 V MIDGET CLASS (DIRT) MD

The rule of what is not specifically allowed is not permitted; refer to WOMZA Dirt Oval Technical Consultants for further clarity on the matter.

### Introduction:

#### Competitor age restriction:

- **Minimum age 13 years old for club level entries only;**
- **Competitor's minimum age - 14 years old are permitted to enter into this class at regional and national level with the approval of their promoter and local TC Representative.**
- **Reference to length and widths in the regulations shall be defined as, length, measure in the direction of, from the front of the vehicle to the back and width being measured from left to right of the vehicle;**

<b>MD1</b>	<b><u>ELIGIBILITY OF VEHICLE AND BODIES:</u></b> <b>Not applicable</b>
<b>MD2</b>	<b><u>GENERAL SAFETY:</u></b>
<b>2.1</b>	Non contact Racing as herewith defined;
<b>2.1.1</b>	No deliberate contact, bumping, or shunting will be permitted.
<b>2.2</b>	Ensure that all joints in construction are welded properly;
<b>2.3</b>	Sump, gearbox and differential plugs are to be wired securely;
<b>2.5</b>	It will be mandatory for the fitment of coil spring retainers, preventing the spring from falling free or getting dislodged. ;
<b>2.5.1</b>	The retainer shall be constructed of a minimum of 2mm steel cable;
<b>2.6</b>	Minimum weight 550 kg excluding competitor;
<b>SS3</b>	<b><u>BRAKES:</u></b>
<b>3.1</b>	<b>No ABS or any other electronic driving aids permitted;</b>
<b>3.2</b>	It shall be mandatory for Midgets to have a braking mechanism as follows;
<b>3.3</b>	<b>Braking on at least three wheels;</b>
<b>MD4</b>	<b><u>CAR CONSTRUCTION:</u></b>
<b>4.1</b>	<b><u>ROLL CAGE:</u></b>
<b>4.1.1</b>	There will be a minimum clearance of 50mm between the driver's helmet and any part of the roll cage;
<b>4.1.2</b>	Pipe of minimum 30mm in diameter with a wall thickness of 2mm is used for construction of the roll cage;
<b>4.1.3</b>	The roll cage must enclose the driver with a minimum of 4 down pipes and 2 cross braces;
<b>4.1.4</b>	The chassis will be constructed of a minimum of 30mm tubular metal with a minimum wall thickness of 2mm;
<b>4.1.5</b>	The use of chrome molly tubing is not permitted;



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<p><b>4.1.6</b></p> <p><b>4.2</b></p> <p><b>4.2.1</b></p> <p><b>4.2.2</b></p> <p><b>4.2.3</b></p> <p><b>4.2.4</b></p> <p><b>4.3</b></p> <p><b>4.3.1</b></p> <p><b>4.4</b></p> <p><b>4.4.1</b></p> <p><b>4.4.2</b></p> <p><b>4.5</b></p> <p><b>4.5.1</b></p> <p><b>4.5.2</b></p> <p><b>4.5.3</b></p> <p><b>4.5.4</b></p> <p><b>4.5.5</b></p> <p><b>4.5.6</b></p>	<p>It shall be optional for a cross bar (X) to be inserted above the competitors head;</p> <p><b><u>NERF BARS:</u></b></p> <p>Nerf bars must be fitted to both sides of the vehicle, bar size maximum 30mm x 2mm;</p> <p><b>Nerf bars must be bolted on as per diagram using minimum 6mm-maximum 8mm bolts;</b></p> <p>Must be designed to protect the full width of the rear tyre of the vehicle;</p> <p>The Nerf bars may not protrude more than 50mm beyond the rear wheel of the vehicle;</p> <p><b><u>BUMPERS:</u></b></p> <p>Front bumpers are compulsory and must be constructed of pipe with a maximum measurement of 30mm x 2mm;</p> <p><b><u>FRONT BUMPERS:</u></b></p> <p>Front bumpers may not protrude beyond the width of the chassis at the front, neither may they protrude more than 150mm beyond a line drawn immediately in front of the 2 front tyres – a tolerance of 50mm shall be allowed;</p> <p><b>Alloy bumpers allowed: 38x3, Alloy sissy bars: 38x3</b></p> <p><b><u>REAR BUMPERS OR PUSH BARS:</u></b></p> <p>Shall have a maximum diameter of 30mm x 2mm – mandatory;</p> <p>The mid bumper or push bar height shall be between 250mm and 400mm above the ground;</p> <p>The bumpers or push bars shall be designed that they do not protrude more than 100mm from the nearest body component;</p> <p>The rear bumper/push bar mounting points may not exceed the width of the chassis at the rear;</p> <p>The rear vertical element of the bumper shall mount to a solid point on the vehicle or the other vertical elements;</p> <p>The nose cone and tailpiece to be constructed to all safety measures;</p>
<p><b>MD5</b></p> <p><b>5.1</b></p> <p><b>5.2</b></p> <p><b>5.3</b></p> <p><b>5.4</b></p> <p><b>5.5</b></p> <p><b>5.6</b></p> <p><b>5.7</b></p> <p><b>5.7.1</b></p> <p><b>5.7.2</b></p>	<p><b><u>ENGINE:</u></b></p> <p>Engines utilized will only be permitted if more than 5000 units were sold in the world and only standard production engines may be used;</p> <p>Three or four cylinder 4 stroke piston driven 8 valve single cam engine, overhead valve or overhead cam permitted;</p> <p>Maximum volume 2000cc, plus 60thou;</p> <p>Engines may be solid mounted;</p> <p>After market fuel management systems permitted;</p> <p>Air cleaners are free;</p> <p>Carburation:</p> <p>Maximum 45mm Side draughts;</p> <p>Maximum 38mm choke tubes;</p>



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<p><b>5.8</b>  <b>5.8.1</b>  <b>5.8.2</b>  <b>5.8.3</b>  <b>5.8.4</b>  <b>5.8.5</b>  <b>5.9</b>  <b>5.10</b>  <b>5.11</b></p>	<p><b><u>16 VALVE STANDARD UNIT:</u></b>          Limited to a maximum of <b>2000cc plus 60thou</b>;          After market engine management systems are permitted;          Only standard road going throttle bodies will be permitted;          Intake manifold maybe altered to accommodate frame construction, but throttle body to remain standard;          The exhaust manifold may be replaced with a branch;          No turbo or superchargers or any form of forced induction is permitted;          Removal of alternators or charging systems is permitted;          No motorcycle engines permitted;</p>
<p><b>MD6</b>  <b>6.1</b>  <b>6.2</b>  <b>6.3</b></p>	<p><b><u>EXHAUSTS:</u></b>          All piping shall be secured with saddles, preventing exhaust pipes from coming loose in the event of it breaking off;          Exhaust tail pipes shall only pass through the back of the vehicle;          Maximum decibels 108, measured 1metre away at 5000rpm;</p>
<p><b>MD7</b>  <b>7.1</b>  <b>7.2</b>  <b>7.3</b></p>	<p><b><u>FUEL, FUEL MANAGEMENT AND CARBURETION:</u></b>          No fuel enhancements;  <b>8 Valves – methanol permitted only if the Midget is committed to the 16 Valve class and races full time in the class;</b>  <b>16 Valve – only pump fuel permitted</b></p>
<p><b>MD8</b>  <b>8.1</b>  <b>8.2</b>  <b>8.3</b>  <b>8.4</b>  <b>8.5</b>  <b>8.6</b>  <b>8.6.1</b></p>	<p><b><u>STEERING AND SUSPENSION:</u></b>          Only solid axles permitted;  <b>Independent suspensions</b> are prohibited;          Front axle shall be a solid axle type, no wishbone system shall be permitted;          Steering mechanism shall be free, with the exception of, motorbike handle bars will not be permitted;          Spring adjustments are permitted;          Only freely available over the counter shock absorbers for example Armstrong, Monroe, Gabriel, shall be permitted, it follows no competition shocks will be allowed, only standard shocks;          Gas shocks permitted within this range;</p>
<p><b>MD9</b>  <b>9.1</b>  <b>9.2</b>  <b>9.3</b>  <b>9.4</b>  <b>9.5</b></p>	<p><b><u>TRANSMISSION:</u></b>          Only live axle differentials permitted;          Gearboxes open;          Torque tube not permitted;          No quick change diff;          Torque arm permitted;</p>



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9.6	No clutches permitted;
<b>MD10</b> <b>10.1</b> <b>10.1.1</b> <b>10.2</b> <b>10.3</b> <b>10.4</b> <b>10.5</b> <b>10.6</b> <b>10.7</b>	<b><u>WHEELS AND TYRES:</u></b> Tyre size maximum 15" width 205mm – inscription must read 205mm; American Racers 225 x 10" x 13" to front only permitted; Normal road tyres new or retread permitted; Tyres must be freely available from any tyre dealer; Tyres may <b>not</b> bear the inscription of "not for highway use"; Under <b>no</b> circumstances may any names or sizes be buffed off from the tyre walls. Rally tyres are permitted; All tyres have to be presented at scrutineering;
<b>MD11</b> <b>11.1</b> <b>11.1.1</b> <b>11.1.2</b> <b>11.1.2</b> <b>11.2</b> <b>11.2.1</b>	<b><u>WINGS:</u></b> Midgets – wings may not be wider than the tyre width and/or maximum 1300mm x 1300mm; End plates, max size 750mm x 1.7 m; In other words, Wings are not permitted to be wider than the rear track of the vehicle, measuring from the left to the right rear tyres, no overhang will be permitted; All wings to be mounted with a minimum of 10mm bolts; <b><u>NOSE WING:</u></b> Nose wings shall not exceed 610mm x 610mm; Nose wing end plates shall be a maximum of 610mm x 300mm(height);

