



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
www.womzasa.co.za

2.0 L 8 VALVE MIDGETS CLASS DIRT

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

MT Introduction:

Junior Midgets (or Formula two Midget) can be defined as a space frame, open wheeler, single seat racing car propelled by any local four cylinder 8 valve engine up to the capacity of 2000cc + 60 oversize fitted with four local manufactured treaded tyres.

Competitor age restriction: Only competitors over the age of 14 years old are permitted to enter into this class.

MT2	<u>SPECIFICATION ON TECHNICAL REGULATIONS NOT PERMITTED</u>
MT2.1	Methanol not permitted;
MT2.2	No imported spares permitted;
MT2.3	Motorcycle engines are not permitted;
MT2.4	Chain driven assemblies are not permitted;
MT2.5	No imported frames and parts may be used;
MT2.6	No Chrome Moly may be used.
MT2.7	Propshaft protectors must be fitted
MT2.8	No open holes on firewall – front and back
MT2.9	No fuel tank to be fitted above the battery and the battery to be covered with rubber on the top
MT2.10	All coil springs to be strapped securely
MT2.11	No steering racks permitted only steering box
MT2.12	No fiberglass or material factory seats permitted – aluminum or steel seats permitted
MT3	<u>OPTIONAL TECHNICAL REGULATIONS</u>
MT3.1	Self starter optional;
MT3.2	No clutches allowed;
MT4	<u>BODY CONSTRUCTION</u>
MT4.1	Engines mounted in front of the driver's compartment;
MT4.2	The feet of the competitor may not protrude further forward than a line drawn across the vehicle, in line with the rear face of the engine block and parallel to the axles;
MT4.3	The front track is defined as being measured from the hub face to hub face. The measurement may not exceed 1500mm;
MT4.4	The rear track is defined as being measured from hub face to hub face. The measurement must not exceed the wheel base measurement;
MT4.5	The wheelbase shall not exceed 2100mm and may not be less than 1600mm; The maximum overall length is defined as being measured from the extreme front point to the extreme rear point of the vehicle and this measurement must not exceed 3300mm;
MT4.6	
MT4.7	The maximum body width, measured at its widest point shall not exceed 1000mm;



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MT4.8	The maximum height of the vehicle measured from the top of the roll cage to the ground must not exceed 1500mm;
MT4.9	The minimum clearance of 50mm must exist between the driver's helmet and any part of the roll cage;
MT4.10	The roll cage must be constructed of pipe with a minimum diameter 30mm with a minimum wall thickness of 2mm;
MT4.11	No limb or any part of the competitor's body may protrude;
MT4.12	The roll cage must enclose the driver and consist of four down pipes and a minimum of two cross braces;
MT4.13	The chassis is to be constructed of tubular metal with a minimum wall thickness of 2mm and shall be triangulated;
MT4.14	Two nerf bars must be fitted to both sides of the vehicle;
MT4.15	The nerf bars may have either three (3) or four (4) mounting positions covering the full width of the wheels;
MT4.16	The nerf bars must not protrude more than 50mm past any wheel neither may any wheel protrude more than 50mm past the nerf bar.
<u>MT5</u>	<u>BUMPERS</u>
MT5.1	Front bumpers are compulsory and must be constructed of pipe with a minimum diameter of 20mm and maximum diameter of 30mm. The wall thickness shall not exceed 2mm;
MT5.2	The bumper shall be between 350mm and 450mm from the ground;
MT5.3	The shape of the front bumper is optional, but may not protrude beyond the width of the chassis at the front;
MT5.4	The bumper shall also not protrude more than 150mm beyond a line drawn immediately in front of the two tyres. A tolerance of 50mm shall be permitted;
MT5.5	The fitment of 200mm coil over shock absorber protectors are permitted provided that they are constructed behind the line drawn between the two front tyres with no sharp edges protruding their ends shall be turned back to the chassis;
MT5.6	Rear bumpers/Push bars constructed of tubular sections having a maximum diameter of 38mm x 3mm are compulsory;
MT5.7	The mid bumper push bar height shall be between 250mm and 400mm above the ground;
MT5.8	The bumper push bar shall be designed in accordance with the body shape and shall not protrude more than 100mm from the nearest body component;
MT5.9	The rear bumper push bar mounting points may not exceed the width of the chassis at the rear.
<u>MT6</u>	<u>BODY</u>
MT6.1	Closed body panels are required on both front and rear sections;
MT6.2	Body panels may be made of either fiberglass or sheet metal and should be constructed in an acceptable manner;
MT6.3	Side panels shall be fitted with a horizontal pipe fitted to the top completely visible when the competitor is strapped into his seat;
MT6.4	Engine must be enclosed by 50%.



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<p><u>MT7</u> MT7.1 MT7.2 MT7.3 MT7.4 MT7.5 MT7.6</p>	<p><u>WINGS</u> The horizontal components of wing may not exceed 1250mm x 1250mm; Wings must be bolted on and not welded into position; The side component of a wing may not exceed 1700mm x 750mm; Nose wing permitted; The nose wing must not exceed a width of 610mm x 300mm; The nose wing and/or wing components must not impede the driver's vision in any way whatsoever.</p>
<p><u>MT8</u> MT8.1 MT8.2 MT8.3 MT8.4 MT8.5 MT8.6 MT8.7 MT8.8 MT8.9 MT8.10 MT8.11 MT8.12 MT8.13 MT8.14 MT8.15 MT8.16 MT8.17 MT8.18 MT8.19 MT8.20 MT8.21 MT8.22 MT8.23 MT8.23.1 MT8.23.2 MT8.23.3 MT8.23.4 MT8.24 MT8.24.1 MT8.24.2</p>	<p><u>ENGINE</u> Inline (Any)four cylinder, 8 valve motor with a maximum capacity of 2000cc plus 60 oversize; There must have been 500 units sold in South Africa; No rotary engines permitted; The cylinder head used shall only have two valves per cylinder; No electrical water pumps; Turbo charging is not permitted; Compressors are not permitted; Supercharging is not permitted; Clutches not permitted; Self starters optional; Push start allowed, but pull started are prohibited; Self starting vehicles may rejoin the race at any time (as long as they comply to the provisions of the race regulations); No imported spares permitted; Engines are to be solid mounted/securely rubber mounted; Flywheels are permitted – direct driver couplers permitted; Any cam permitted; Any local piston permitted as long as 500 units were sold in SA; Any local conrods permitted; No restriction of lightening off, local parts; No roller bearings on crack or cam shafts permitted; Any local cylinder head permitted; only single cam permitted; Balancing of engine permitted; 45 DCOE side draft x 2 max choke tube 38mm; The maximum permitted choke tube is 38mm; Utilizing down draft carburetors, will be limited to 45mm downdraft with maximum 38mm choke tubes – maximum two carburetors; Factory fitted fuel injection permitted; Only one after market Throttle body max 65mm, measured at the butterfly; Advance type aftermarket management system may be use. Only pump fuel and avgas may be use. – highest octane being 95lpr Performance enhancing additives permitted</p>



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<p><u>MT9</u> MT9.1 MT9.1.1 MT9.2 MT9.3</p>	<p><u>TYRES</u> Only locally available tyres from a general tyre dealer may be used; No competition tyres allowed. Only treaded local tyres with a maximum tread with 205mm may be used, with the exception of MT9.4; NO RETREAD TYRES ALLOWED 205 x 60 x 13 195 x 60 x 14 205 x 65 x 15 No welded PCD centre section on rims permitted.</p>
<p><u>MT10</u> MT10.1 MT10.2 MT10.3</p>	<p><u>TRANSMISSION</u> Only standard tape road going gearboxes permitted; Full gearbox no gears removed must be in original factory manufactured working condition No straight cut gears and competition boxes will be allowed; NO torque tube allowed</p>
<p><u>MT11</u> MT11.1 MT11.2 MT11.2.1 MT11.3 MT11.3.1 MT11.3.2 MT11.4 MT11.5 MT11.6</p>	<p><u>SUSPENSION</u> Solid front axle; Solid rear axle – no independent suspension or wishbones allowed; No torque tubes allowed; Coil over shock absorber; 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; Maxtrax also available freely over the counter and they come with coil springs and adjuster. Gas shocks permitted within this range; Radius and panard rods and Jacobs leathers – fixed (rose joints) type fixture. No motorcycle shocks allowed</p>
<p><u>MT12</u> MT12.1 MT12.2 MT12.3 MT12.4</p>	<p><u>BRAKES</u> Minimum of three discs and calipers Must be foot operated; Must be hydraulic. No Import calipers allowed;</p>
<p><u>MT13</u> 13.1</p>	<p><u>WEIGHT</u> Minimum weight 500kg excluding competitor.</p>