

International Mini-Z Masters Prague 2019

Technical reglement version 5

Mini-Z Box Stock

Motor	Kyosho MZ9. Opening and changes on the motor will result in disqualification.
Chassis	Kyosho MR-01, MR-015, MR-02, MR-03 (Sport, RWD, EVO)
Rims	Front 8.5 x 20mm, Rear 11 x 20mm, offset must be match with the Body offset
Tires	No silicone, no foam tires. No traction compound. Only commercial available rubber tires.
Optional Parts	T-Plate, ball bearings, wheel nuts. Aluminium front knuckles 0°, aluminium steering rod 0°, front suspension springs.
Electronic	No modifications, no soldering of any connections that aren't originally soldered. Only original Kyosho/Kopropropo PCB, no changes to the Mosfets.
Gear Ratio	Max. pinion 9T spur gear 44t by 48DP (4,888)
Min. Weight with Batteries (g)	170g
Max. Width (mm)	80mm
Max. Length (mm)	180mm
Wheelbase (mm)	86 - 90 - 94 - 98mm
Rear Spoiler height (mm)	Only original Spoiler
Body	Kyosho Autoscale, TRP, Route246. Lexan an 3D printed Bodys are forbidden. Lexan windows are also not allowed. All stock accessories must be on the body at the begin of the Event.
Batteries	AAA NiMh, 4pcs
Additional Info	No modifications to the original parts can be made. No oil dampers. Except screws, everything has to build up with original Kyosho parts.

2WD Stock

Motor	PN 70T or Kyosho MZ9, burshless 3500Kv or Kyosho MZW501. All brushless rotors are allowed.
Chassis	Commercially available
Rims	Front 8.5mm and rear 11mm max width. Diameter max 21mm, not measuring the Kyosho style inner "lip".
Tires	No silicone, no foam tires. No traction compound. Only commercial available rubber tires.
Optional Parts	Any commercially available parts.
Electronic	All PCBs and ESC are allowed, brushless ESC has to set to 0° timing
Gear Ratio	Open
Min. Weight with Batteries (g)	170g
Max. Width (mm)	80mm
Max. Length (mm)	180mm
Wheelbase (mm)	max. 98mm
Rear Spoiler height (mm)	45mm
Body	Kyosho Autoscale, TRP, Route246 or other Plastic Hardbodies. No Lexan, no 3D printed
Batteries	AAA NiMh, 4 pcs
Additional Info	Sensor motors not allowed. You can clean and break in the 70T motor. Opening or modifying the 70T motor will result in disqualification. 3D printed wing, body holders and body strenghtening allowed.

2WD Le Mans

Motor	PN 50T, Kyosho X-speed or brushless motors between 5000-5600Kv, Kyosho MZ504 allowed. All brushless rotors are allowed.
Chassis	Commercially available
Rims	Front 8.5mm and rear 11mm max width. Diameter max 21mm, not measuring the Kyosho style inner "lip".
Tires	No silicone, no foam tires. No traction compound. Only commercial available rubber tires.
Optional Parts	Any commercially available parts
Electronic	All PCBs and ESC are allowed, brushless ESC has to set to 0° timing
Gear Ratio	Open
Min. Weight with Batteries (g)	170g
Max. Width (mm)	80mm, or stock LM body with stock accessories width
Max. Length (mm)	180mm, or stock LM body with stock spoiler length
Wheelbase (mm)	102mm
Rear Spoiler height (mm)	45mm or stock LM body with original spoiler
Body	Kyosho Autoscale, TRP, Route246 or other Plastic Hardbody's. No Lexan, no 3D
Batteries	AAA NiMh, 4pcs
Additional Info	Sensor motors not allowed. Brushes can be changed to original 10CR50 brushes. Neodymium magnets 10NM13 and 10NM14 are not allowed. Ball bearing motors are allowed. 3D printed wing, body holders and body strengthening allowed.

Formula 1

Motor	PN 50T, Kyosho X-speed, PN brushless motors between 5000-5600Kv, Kyosho MZ504 allowed. All brushless rotors are allowed.
Chassis	Kyosho MF-xxx. Chassis with similar geometry are welcome, but must follow MF-xxx outline geometry and fit Kyosho F1 bodies.
Rims	Kyosho Formula 1 rim or other that follow similar design
Tires	No silicone, no foam tires. No traction compound. Only commercial available rubber tires. Tires must fit to the rim perfectly.
Optional Parts	Open except Ball Bearings or similar not allowed anywhere to make side wall contact easier.
Electronic	All PCBs and ESC are allowed, brushless ESC has to set to 0° timing
Gear Ratio	Open
Min. Weight with Batteries (g)	180g
Max. Width (mm)	85mm
Max. Length (mm)	205mm
Wheelbase (mm)	128 - 132mm
Rear Spoiler height (mm)	Rear 50mm, Front 25mm
Body	Kyosho Autoscale F1. Other also allowed but must follow F1 design and must be approved separately.
Batteries	AAA NiMh, 4 pcs
Additional Info	Sensor motors not allowed. Brushes can be changed to original 10CR50 brushes. Neodymium magnets 10NM13 and 10NM14 are not allowed. Ball bearing motors are allowed. The intention is to keep the cars as realistic as possible.

2WD / 4WD Open

Motor	Open electric Motors
Chassis	Open
Rims	Open
Tires	No silicone, no foam tires. No traction compound. Only commercial available rubber tires.
Optional Parts	Open
Electronic	Open
Gear Ratio	Open
Min. Weight with Batteries (Open
Max. Width (mm)	85mm
Max. Length (mm)	180mm
Wheelbase (mm)	max 106mm
Rear Spoiler height (mm)	Open
Body	Commercially available
Batteries	Open
Additional Info	Sensor motors allowed!

HM Cup

Motor

Kyosho MZ9. Opening and changes on the motor will result in disqualification.

Chassis

Kyosho MR-01, MR-015, MR-02, MR-03 (Sport, RWD, EVO)

Rims

Front 8.5 x 20mm, Rear 11 x 20mm, offset must be match with the Body offset

Tires

No silicone, no foam tires. No traction compound. Only commercial available rubber tires.

Optional Parts

Any commercially available parts. No 3D printed parts.

Electronic

No modifications, no soldering of any connections that aren't originally soldered. Only original Kyosho/Kopropo PCB, no changes to the Mosfets.

Gear Ratio

Max. pinion 7T spur gear 44t by 48DP (4,888)

Min. Weight with Batteries (g)

Unlimited

Max. Width (mm)

see Body

Max. Length (mm)

see Body

Wheelbase (mm)

86, 90, 94

Rear Spoiler height (mm)

Only original Spoiler

Body

Only commercially available, only HM variants, some AWD: New Beetle, Mini Cooper, Toyota Yaris, Honda Fit, Lancia Delta, Fiat Abart, Citroen DS3, VW Golf, ...

Batteries

AAA NiMh, 4pcs

Additional Info

Motor holder only MZ-154, front axle - under the driveshaft must not be washers and the driveshaft must be permanently pressed by the spring. Rear axle without washers (prohibition to lower chassis height). Weights are forbidden. It is forbidden to reduce the height of the body by modifying body holders.