

SINGAPORE DAMPER STYLE CLASS - MINI 4WD



2026 OFFICIAL REGULATIONS



KIT & CHASSIS

- **Kit:** All original kits allowed.
- **Chassis:** All original chassis allowed.
- **PROHIBITED:** Sanding, casting/filling, cutting, or gluing with foam.

MOTOR

- All original motors allowed (must remain sealed).
- Double-shaft motor shafts are allowed to be cut.
- Notching the motor endbell is **ENCOURAGED**.
- Break-in allowed using any method.
- **PROHIBITED:** Disassembling, modifying, unwinding/rewinding coils, or changing brushes.

WHEELS & SHAFTS

- **Wheels:** Original wheels only. Pierced wheels allowed. No cutting or modifying.
- **Shafts:** Original or aftermarket factory-made shafts allowed.
- **PROHIBITED:** NACHI & HSS shafts.

TIRE SPECIFICATIONS

- Original tires only. Trimming/lathing allowed.
- **PROHIBITED:** Wetting, lubing, or slicking tires with liquids.

Size	Min. Diameter	Min. Patch Contact
Small	23.50 mm	8.50 mm
Medium	25.50 mm	9.00 mm
Large	29.50 mm	—

GEARS & PROPELLER SHAFT

- Original gear sets only. Floating gears allowed.
- Bearings allowed inside gears (standard sizes).
- Gearbox reinforcement allowed (cannot be tied/strapped).
- Cross propeller shafts allowed (hollow to solid).
- Gear ratios are open; mixed/crossed ratios allowed.

ROLLER

- Original rollers only. Max 6 rollers (fixed).
- Sanding/roughening allowed. Size tolerance: ± 0.5 mm.
- Custom placement permitted (not bound to standard holes).
- Grooved rollers (Roller Got) **MUST** use rubber rings.
- **Ringlet Heights (13/17/19mm):** Min 2.10mm / Max 2.40mm.
- **Rubber Ring Height:** 2.20mm.
- **Roller Thickness (12/13mm):** Min 10.8mm / Max 1.50mm.
- **Double Rubber Rollers:** Max thickness 3mm, Dia 11.50mm–12.50mm.

MASS DAMPERS

- All original mass dampers allowed. Quantity unrestricted.
- Max damper hole diameter: 3.0 mm.
- **PROHIBITED:** Mounting dampers directly onto roller posts.
- **PROHIBITED:** Mass damper set with ball connector (15478) on front or rear.

DIMENSIONS & CLEARANCE

- Car length, width, and height must strictly comply with standard dimension check box.
- **Ground Clearance:** Minimum 1.0 mm.
- **Battery Voltage:** Maximum 1.2 V.

FRP & HG CARBON PLATES

- Original FRP and HG (1.5mm/2.0mm) allowed.
- **Front Section:** Max 2 sets (stay/break).
- **Center Section:** Max 1 set/1 pair.
- **Rear Section:** Max 3 sets/9 pcs (stay/break/guard).
- **Lame Stick Width:** Min 1.90mm / Max 2.20mm.
- **HG Thickness:** Min 1.40mm / Max 1.65mm.
- Brake pad length: 10.80 mm from hole 3. End of brake plate must touch oval rear stay.
- **PROHIBITED:** Cutting/drilling new holes, sanding plates thin, stacking double plates.

OPTIONAL PARTS & SAFETY

- Stabilizers must use original parts without modification.
- Spring sets **CANNOT** be installed on front or rear.
- Wheel bearing holes: 2.5mm or 3.0mm allowed.
- Gold-plated terminals allowed.
- **SAFETY MANDATE:** All exposed/sharp screw tips, roller stays, bolts, and locknuts **MUST** be covered with screw caps. Bottom screws **MUST** be countersunk flat into FRP.

STRICT SCRUTINEERING APPLIES — ALL CARS MUST PASS TECHNICAL INSPECTION — 2026 OFFICIAL REGULATIONS