

Europe cup rules for Sideways group 5 cars

PREAMBEL TO THE CONCEPT OF THE RACES

Sideways offers Slotracing-Clubs and race organizers a binding and unified technical rules for their group 5 cars.

The aim is, to realise a Europe-wide unified frame for race series with group 5 cars of the brand Sideways. The most successful drivers are given the opportunity to compete for the "National Sideways Champion" in central organised championships.

I. AUTHORIZED CARS:

Car type	Min. body-weight	BOP
BMW M1	18,5 g	AW gear 30 teeth, red:SI GA1630-pl
BMW 320i	20,5 g	-
Ferrari 512BB	19,0 g	Lexan admitted SW BB/E, the motor simulation can be removed but has to be closed non transparent. Rear wheel housing can be trimmed, check in the separate sheet for the Ferrari.
Ford Capri	21,0 g	-
Ford Escort	tba	tba
Ford Mustang	21,0 g	-
Lancia Beta Montecarlo	16,5 g	Lexan admitted: SW BM/E and SW BM/G
Lancia Stratos	16,0 g	
Nissan Skyline	18,0 g	AW gear 30 teeth, red:SI GA1630-pl wing SW NS/C1 accepted exhaust can be removed, motor mount must change to offset 0
Porsche 935 K2	17,0 g	-
Porsche 935 / 77	17,0 g	-
Porsche Moby Dick	20,5 g	wing SW MD/C5 accepted
Toyota Celica	tba	AW gear 30 teeth, red:SI GA1630-pl exhaust can be planned to chassis level

New models will be added to the list, as soon as we have tested those detailed. We will ensure that all models of the Sideways Group 5 range are on an equal competitive level via a frequently updated BoP.

II. BODY

1. The body cannot be modified and has to be original. Mirrors and wipers can be missing. Other body parts have to be mounted solid to the body before the start of the race and in case of damage or loss have to be repaired during the race.

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Exception:

- Ferrari 512 BB – the rear wheelarches can be tried check BoP
- Nissan Skyline – the exhaust can be removed
- Toyota Celica – the exhaust can be tried to chassis level

2. Cast burs can be worked at and parts can be glued again.
3. The body posts and the threads of the body screws cannot be reinforced with metal tubes or parts.
4. White-Kits must be painted a race car typical scheme, must be completely painted and have at least 3 starting numbers. All parts of the body kit have to be used (with exception of mirrors and wipers, for the Nissan the exhaust).
Painting the inside is not allowed. Windscreens and lights have to stay transparent.
5. It is only allowed to fix the body to the chassis by mean of the original body posts.
6. Every model has a specific body weight. This weight is the minimum weight and may not be lower at any time. It is strictly forbidden to reduce the body weight, unless explicit allowed (for example the use of lexan in the Lancia Beta Montecarlo). Even if the original bodyweight of your car exceeds the minimum weight it is not allowed to reduce its weight.
7. Missing weight has to be added under the dashboard.

III. CHASSIS

1. The chassis can be straightened, burs removed and parts glued on (exhaust).
Apart from that the chassis stays original.
2. The screw holes can be taped.
3. Flexible chassis (the ordering numbers ending on „A1“) are not allowed!
The test, to check which chassis has been used, will be executed after the race to avoid damage to the car.
4. The use of shims at the body posts is allowed.

IV. GUIDE

1. Following guides are allowed:
 - Slot.it-guide **CH66** and **CH85**.
 - Sideways-guide **SW PU01b**, **SW PU02b** and **SW PU03b**.
2. It is not allowed to modify the guide, the spacers **SW SP10** and **SW SP12** can be used.

V. BRAIDS

1. Braids and eyelets are free.

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VI. CABLE

1. The cables are free, they cannot exceed a external diameter of 1,8mm.
2. The cables can be glued in or fixed in another way (blue tag).
3. The insulation of the cable can be removed towards the guide to ensure its flexibility.

VII. AXLES

1. Admitted are the original axles and following axles of Sideways: **SW AX48**, **SW AX51** and **SW AX54**.
2. The height of the front axle can be adjusted by mean of the M2 screws to be used in the appropriated tap holes. The screws to be used are of Sideways: **SW M2/3e**, **SW M2/4e**, **SW M2/5e**, **SW M2/6e** und **SW M2/8e**.
3. The width of the front axle is determined by the body. At vertical sight the wheels are not to be seen.
4. The use of axle spacers is admitted.

VIII. TYRES AND RIMS AT THE FRONT AXLE

1. Beside the original plastic rims following rims of Slot.it are admitted: **W15808215-A**, **W15808225-A** und **W15808215-P**.
2. Beside the original front tyres also the No-Grip tyres of Slot.it: **PT15** and **PT19**, can be used.
3. The tyres have to touch the surface entirely.
4. Trueing or sealing the front tyres is not allowed.
5. Original Sideways group 5 rim inserts have to be used however it is not necessarily to use the ones originally used on the specific car.

IX. TYRES AND RIMS AT THE REAR AXLE

1. The tyres for the European Championship are handed out by the organiser. The handed out tyres cannot be treated, neither by trueing nor by chemicals.
2. At the European Championship the Slot.it tyres **PT1207N18** will be used.
3. At club races, the clubs are free to choose their own way of treating the tyre issue.
4. Only the original used rims Slot.it **W17308215-A** and **W17308225-A** are admitted.
5. Original Sideways group 5 rim inserts have to be used however it is not necessarily to use the ones originally used on the specific car.

X. GEARS

1. Only the original supplied yellow Slot.it **GA1628-pl** AW gear is allowed.
Exception **BoP BMW M1** SlotIt **GA1630-pl**, AW red
Exception **BoP Nissan Skyline** SlotIt **GA1630-pl**, AW red
Exception **BoP Toyota Celica** SlotIt **GA1630-pl**, AW red.
2. Only the original 11 teeth Slot.it **PS11** brass pinion is allowed.
3. The use of spacers on the rear axle to adapt the gear mesh is allowed.

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XI. SCREWS

1. Admitted are only the original applied screws and following screws of Sideways:
 - **SW SC01** as substitute for the original ones
 - metrical screws **SW MS01**, **SW MS03** und **SW MS04**
 - body screws **SW MS02**
 - M2 screws **SW M2/3e**, **SW M2/4e**, **SW M2/5e**, **SW M2/6e** and **SW M2/8e**.
2. Body screws and motor holder screws can be loosen.
3. The shims under the screws do not have to be used.
4. The screws can be secured with some glue or loctite.

XII. MOTOR HOLDER

1. Admitted are only the motor holders of Sideways:
SW M/AW, **SW M/AW-evo** and **SW M/AW-evoH**.
2. Admitted are only the bushings of Sideways: **SW B/01**, **SW B/02** und **SW B/03**.
3. The bushings can be glued in.
4. Following stoppers are admitted:
 - Slot.it **PA25** and **PA57**.
 - Sideways **SW ST/01**.
5. Only the axle pod with 0 Offset is to be used.
6. To allow a better performance of the tilting of the motor pot the lateral screw fastenings may be cut.

XIII. Motor

1. Only the original yellow Slot.it **MN09CH** is admitted.
2. It is not allowed to open motor, no use of chemicals.
The tape should not be damaged.
3. The motor cannot be fixed with glue.

XIV. TRIMMING, SPRING SUSPENSION, MAGNETS AND LIGHT

1. Trimming by adding weight is not allowed unless to achieve the minimum body weight. (in the body under the dashboard!)
2. Suspension is forbidden.
3. Any use of magnetic parts is forbidden, neither the use of magnetic paint.
4. Lights are only allowed after agreement with the race organisation. All parts of the lighting have to be built into the body (this will inevitably raise the weight of the body)

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XV. DISCLAIMER, VALIDITY, OTHER RACE CONDITIONS AND REFERENCE

1. The cars have to stay original, exceptions, changes- and tuning-possibilities are listed in the points 1-14.
Everything not explicitly allowed, is forbidden!
2. Which parts are „original“, is noted in the specific data sheet of each car.
If not prohibited by this rules, all parts can be changed for the original part(points 1-14).
3. Race control is in charge to ban unusual or suspicious controllers Every competitor is responsible to take an ordinary controller with him to be safe.
4. If not noted differently, 12 Volt is used as track power.
5. This reglement is released 1.6.2020 and valid till updated otherwise. Updates will be posted at sideways-group5-races.com .