

NSR CLUB

HYPERCAR TECHNICAL RULES



NSR
PROFESSIONAL
—  —
SLOT CARS

HYPERCAR TECHNICAL RULES

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The NSR Hypercar Category Regulations define the technical and sporting rules designed to ensure fair and exciting competition.

01. ALLOWED MODELS

1.1 NSR Hypercar



02. BODY

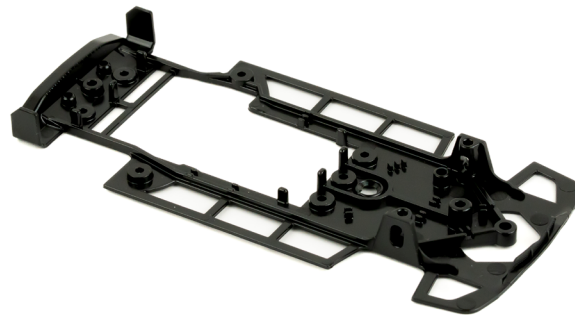
- 2.1** The body must be original in all its parts and may not be structurally modified.
- 2.2** Any kit versions must be fully repainted. Windows must remain transparent.
- 2.3** At the start, the body must be complete in all its parts.
- 2.4** The body must display 3 number panels with clearly visible race numbers.
- 2.5** It must be fixed to the chassis using screws.
- 2.6** At the end of the race, rear-view mirrors may be missing.
- 2.7** **It may NOT be lightened compared to the original.**
- 2.8** The rear wing and any other component (except mirrors), if lost, must be restored within 3 laps, otherwise a 3-lap penalty will be applied.
- 2.9** **MINIMUM WEIGHT: 17g.** A Lexan cockpit is allowed.
Any ballast must be positioned under the cockpit/driver (NOT behind the motor).



03. CHASSIS

3.1 Hypercar chassis with different stiffness levels are allowed.

1634	Grey	Hard
1633	Black	Medio
1632	Blue	Soft

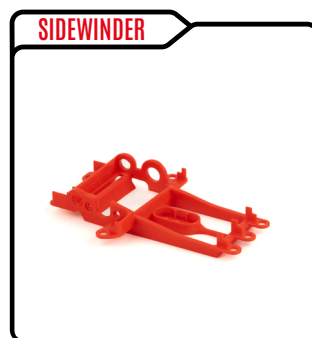


3.2 The driver's name must be written on the underside of the chassis

04. MOTOR SUPPORT

4.1 The following NSR Hypercar motor support are allowed:

STANDARD EQUIPMENTS: NSR HYPERCAR



SIDEWINDER MOTOR SUPPORT
+1MM OFFSET

1329	Sidewinder motor support +1 mm Offset	RED	Extra-hard
1331	Sidewinder motor support +1 mm Offset	BLACK	medium

- 4.2** The motor support may be fixed to the chassis with screws (from 3 to 6), arranged freely.

05. SUSPENSIONS - SPRINGS

- 5.1** Suspensions are allowed.



- 1216** suspensions kit Formula 86/89 | NSR Hypercar SOFT springs.
1217 suspensions kit Formula 86/89 | NSR Hypercar MEDIUM springs.
1218 suspensions kit Formula 86/89 | NSR Hypercar HARD springs.

06. AXLES AND BUSHINGS

- 6.1** Original axles 4802.
Hollow axles 4872 are allowed both front and rear. Independent front axle 4890 allowed.

- 6.2** Original bushing **4805**



- 6.3** Spacers may be used on both front and rear axles.

- 6.4** Stopper 4860 may be used on the rear axle.



07. MOTOR

- 7.1** King 21 EVO/3 long can 21,500 rpm (fuchsia label), supplied by the organization. It must be returned at the end of the race; at the end of the championship it remains with the driver.



- 7.2** It may be fixed to the chassis exclusively with screws.
7.3 It must be installed with the red dot on the left side.



08. TRANSMISSION

- 8.1** All NSR Sidewinder Hypercar crowns are allowed:
 Aluminum Ø 16.8mm 5928 - 5929 - 5930 - 5931 - 5932 - 5933 - 5934



- 8.2** Only the original 13-tooth brass pinion is allowed.



ANGLEWINDER EXTRALIGHT - Ø 7,5

Denti	13
Codice	7113

Compatible with NSR Hypercar

09. WHEELS

9.1 Front wheels: original 5003 (set screw) or 5024 plastic.



9.2 Rear wheels: original 5004 and 5003 (set screw).



9.3 Wheel inserts are mandatory (NSR BBS or NSR 12-spoke) and may be glued.

<p>BBS 6 SPOKES</p>	<p>FOR Ø 17 WHEELS</p> <p>5445 BLACK 5445 WHITE</p> <p>4PCS</p>
<p>12 SPOKES</p>	<p>FOR Ø 17 WHEELS</p> <p>5428 RED 5429 BLUE 5430 BLACK 5431 WHITE 5432 SILVER</p> <p>4 PCS</p>

9.4 If lost, inserts must be restored at the end of the heat.

10. FRONT TIRES

- 10.1** Recognizable NSR front tires (5200 16x8, 5201 17x8, 5226 18x8, 5202 19x10).
- 10.2** They may be glued and trued.
- 10.3** They must fully cover the rim.
- 10.4** They may **NOT** be treated with substances altering grip (glue, paint, etc.).
- 10.5** Minimum diameter: 17.9 mm.

11. REAR TIRES

- 11.1** Low-profile rear tires 20x11, **NEW VERSION COMING, ZERO GRAINING** compound, supplied by the organization (code 5266Z).

12. GENERAL DIMENSIONS

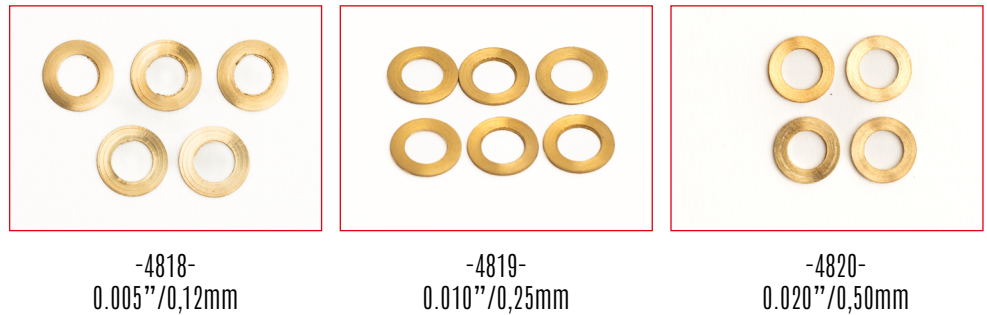
- 12.1** Maximum front and rear track width: 66 mm.

13. PICK-UP

- 13.1** All NSR pick-ups are allowed: **4841 - 4843 - 4844 - 4845 - 4859**



- 13.2** NSR spacers between chassis and pick-up are allowed to adjust setup for different tracks.



- 13.3** The blade may be thinned.
13.4 NSR flat-head pick-up screws 4857 are allowed

14. BRAIDS

- 14.1** Must remain original and may **NOT** serve other functions.
14.2 They must not interfere with the front axle, which must move freely.
14.3 They may be fixed to the chassis with tape or glue.

15. SPAZZOLE

- 15.1** Braids must be original **NSR 4838** or tinned NSR 4850.
15.2 They may **NOT** be glued to the pick-up or motor wire terminal

16. SCREWS

- 16.1** All types of NSR metric screws are allowed.
16.2 They do not need to be fully tightened.

17. MAGNET

17.1 FORBIDDEN.

EVERYTHING NOT SPECIFIED IS **NOT ALLOWED!**

Removal of molding/casting burrs is allowed, provided it does not alter structural or dimensional characteristics (e.g., thinning surfaces is NOT allowed).