

NSR CLUB

HYPERCAR TECHNICAL RULES OPEN CHAMPIONSHIP



NSR
PROFESSIONAL
—  —
SLOT CARS

HYPERCAR TECHNICAL RULES OPEN CHAMPIONSHIP

INDEX

01.	ALLOWED MODELS	
02.	BODY	p. 1
03.	CHASSIS	
04.	MOTOR SUPPORT	p. 2
05.	SUSPENSIONS - SPRINGS	p. 3
06.	AXLES AND BUSHINGS	p. 4
07.	MOTOR	
08.	TRANSMISSION	p. 5
09.	WHEELS	
10.	FRONT TIRES	
11.	REAR TIRES	
12.	GENERAL DIMENSIONS	p. 6
13.	PICK-UP	p. 7
14.	CABLES	
15.	BRAIDS	
16.	SCREWS	
17.	MAGNET	p. 8

The Open NSR Category regulations are designed as a guideline for racing against Hypercar models from other manufacturers.

01. ALLOWED MODELS

1.1 NSR Hypercar



02. BODY

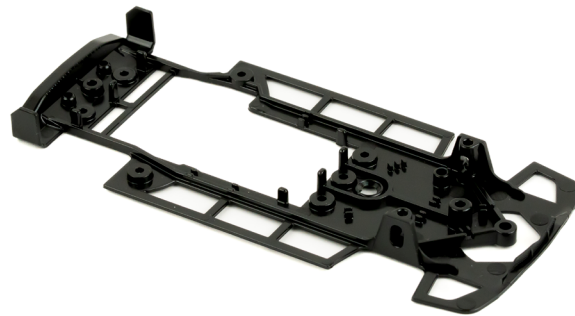
- 2.1** The body must be original in all its parts and may not be structurally modified.
- 2.2** Any kit versions must be fully repainted. Windows must remain transparent.
- 2.3** At the start, the body must be complete in all its parts.
- 2.4** The body must display 3 number panels with clearly visible 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** L'alettone posteriore e lo spoiler posteriore, in caso di perdita, devono essere ripristinati entro 3 giri, pena penalità di 3 giri.
- 2.9** **MINIMUM WEIGHT: 17g.** A Lexan cockpit is allowed.



03. CHASSIS

3.1 Hypercar chassis with different stiffness levels are allowed

1634	Grey	Hard
1633	Black	Medio
1632	Blue	Soft

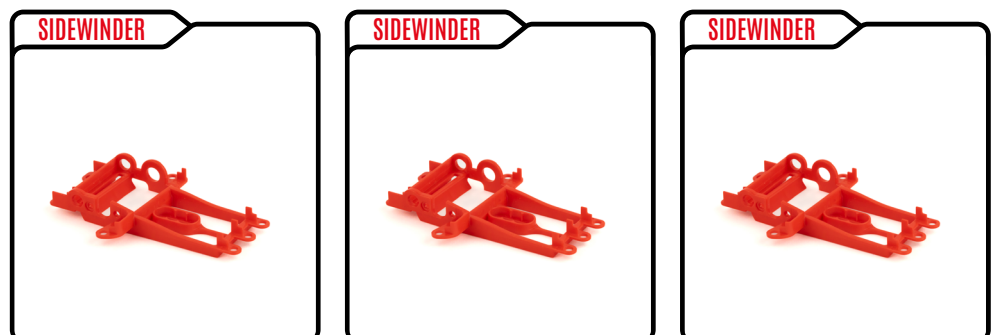


3.2 The driver's name must be written on the underside of the chassis.

04. MOTOR SUPPORT

4.1 The following NSR Hypercar motor supports are allowed:

STANDARD EQUIPMENTS: NSR HYPERCAR



SIDEWINDER MOTOR SUPPORT
+1MM OFFSET

SIDEWINDER MOTOR SUPPORT
+0,75MM OFFSET

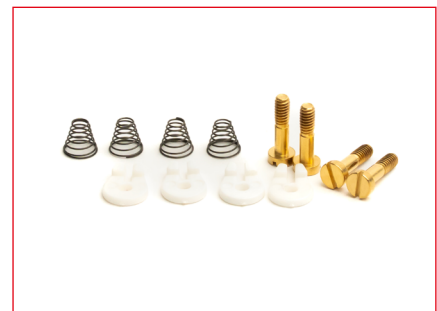
SIDEWINDER MOTOR SUPPORT
+1,25MM OFFSET

1329	Sidewinder motor support +1 mm Offset	RED	Extra-hard
1330	Sidewinder motor support +1 mm Offset	WHITE	hard
1331	Sidewinder motor support +1 mm Offset	BLACK	medium
1332	Sidewinder motor support +1 mm Offset	BLUE	SOFT
1333	Sidewinder motor support +1 mm Offset	GREY	CARBON FIBER NEW!!
1334H	Sidewinder motor support +0.75 mm Offset	RED	Extra-hard
1334	Sidewinder motor support +0.75 mm Offset	BLACK	medium
1334C	Sidewinder motor support +0.75 mm Offset	GREY	CARBON FIBER NEW!!
1335H	Sidewinder motor support +1.25 mm Offset	RED	Extra-hard
1335	Sidewinder motor support +1.25 mm Offset	BLACK	medium
1335C	Sidewinder motor support +1.25 mm Offset	GREY	CARBON FIBER NEW!!

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

05. SUSPENSIONS - SPRINGS

- 5.1 All suspensions compatible with NSR Hypercar are permitted.



ALLOWED KITS AND CORRESPONDING SPRINGS:

- 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
- 4887** Complete spring set for suspensions kit progressive - Medium
- 4887-H** Complete spring set for suspensions kit progressive – Hard

06. AXLES AND BUSHINGS

- 6.1** Original axles 4802.
The use of hollow axles 4872 is permitted on both the front and rear.
The use of independent front axles 4890 is permitted.

- 6.2** Original bushings 4805



- 6.3** Spacers may be used on both front and rear axles.
- 6.4** topper 4860 may be used on the rear axle.



07. MOTOR

- 7.1** King 21 EVO/3 clong 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. TRASMISSION

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



- 8.2** Only the following brass pinions are allowed, compatible with NSR HYPERCAR



ANGLEWINDER EXTRALIGHT - Ø 7,5

Teeth	12	13	14	15
Code	7112	7113	7114	7115

Compatible with NSR Hypercar

09. WHEELS

- 9.1** All NSR rims with a minimum diameter of 16 mm are permitted, both front and rear.
- 9.2** Wheel inserts are mandatory (NSR BBS or NSR 12-spoke) and may be glued to the rims.

10. FRONT TIRES

- 10.1** Recognizable NSR front tires are permitted (5200 16x8, 5201 17x8, 5226 18x8, 5202 19x10).
- 10.2** They may be glued to the rims and trued.
- 10.3** They must fully cover the rim.
- 10.4** They must **NOT** be coated with any material that alters their grip on the track (glue, paint, or similar).

11. REAR TIRES

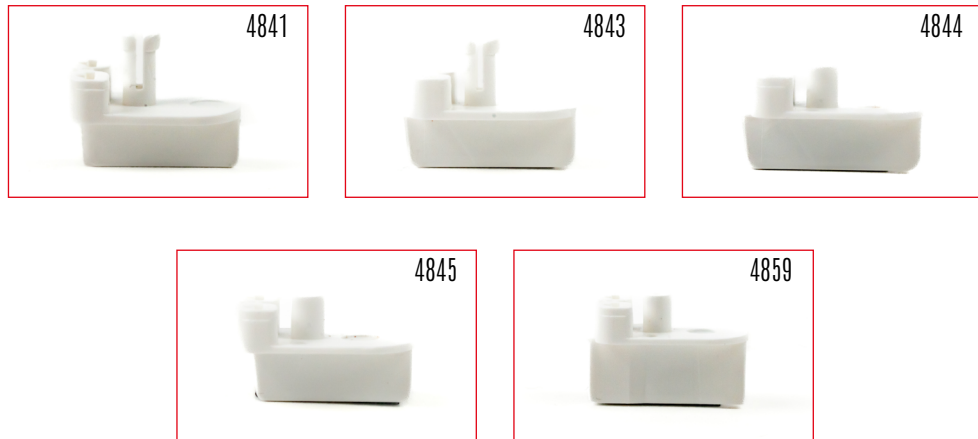
- 11.1** Low-profile rear tires 20x11, **NEW VERSION COMING, ZERO GRAINING** compound, supplied by the organization (code 5266Z).

12. GENERAL DIMENSION

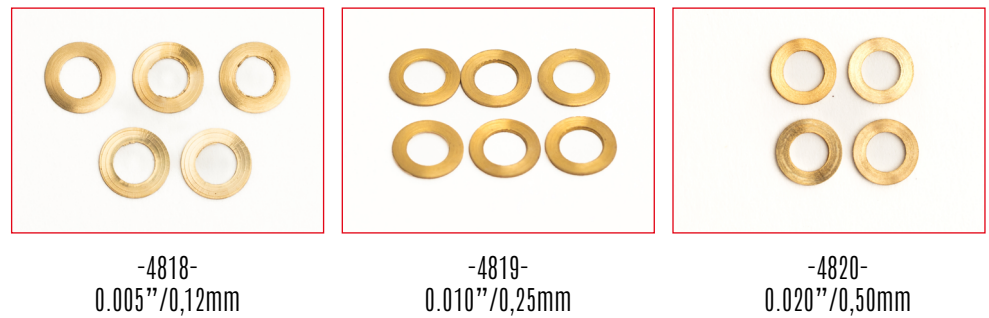
- 12.1** Maximum front and rear track width: 66 mm.

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. CABLES

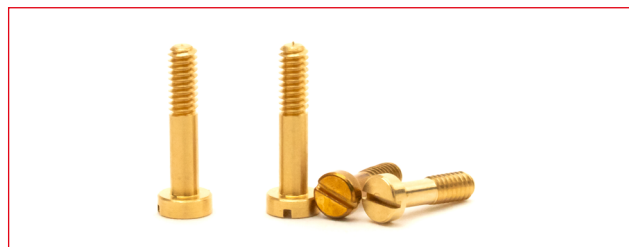
- 14.1** Must remain original and may NOT serve other functions.
- 14.2** They must not interfere with the front axle, which must move freely.
- 14.3** They may be fixed to the chassis with tape or glue.

15. BRAIDS

- 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).