

ADVANCED USER MANUAL



SECTION 4: CHASSIS STIFFNESS

Car / class: 411 Eryx / 1/10 electric on road

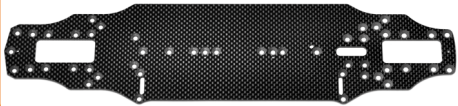
INTRODUCTION

- **Definition:** Generally the chassis should be as rigid as possible for handling reasons. The more rigid a chassis is, the more it will allow the suspension and tyres to work. However in the real world this theory does not always work.
- **Serpent S411 Eryx different chassis advantages:** For the Serpent S411 Eryx Serpent has three different chassis which makes it possible to change the torsion properties of the complete car. In this way you can adapt your car to all the different types of track, such as carpet or asphalt, low or high grip and open or tight tracks.

CHASSIS OPTIONS

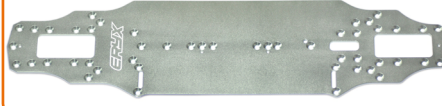
#401639

**Chassis carbon 2.0mm
S411 4.0**



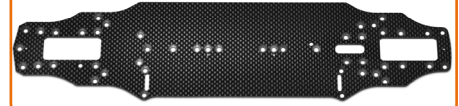
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**Chassis alu 2.0mm
S411 4.0**



#401641

**Chassis carbon
2.25mm S411 4.0**



WHEN TO USE EACH CHASSIS

CHASSIS CARBON 2.0mm S411 4.0 #401639

- Works well in asphalt and carpet
- Use in super high traction tracks to avoid traction rolling
- More rear stability
- Less steering

CHASSIS ALU 2.0mm S411 4.0 #401640

- Use mainly in carpet tracks
- Car easier to drive
- Lower Center of Gravity
- Less traction roll keeping good steering

CHASSIS CARBON 2.25mm S411 4.0 #401641

- Use mainly in asphalt tracks
- Gives more overall steering
- More car response
- Car more nervous and edgy to drive



TEAM DRIVER COMMENT

- **By Marc Fischer (Top driver 1/10 Touring car EP, Serpent tester and developer)**
For me it is an amazing advantage to be able to adapt my car to different surfaces such as carpet and asphalt. The needs on an asphalt or carpet tracks are often very different, and the chassis choice offers a good base to start the set-up. I choose the alu chassis for carpet tracks with very high traction, carbon 2.25 when carpet traction is a bit less. Carbon 2.25mm or 2mm hard chassis to get maximum steering for asphalt outdoor tracks. Its all depends on track, traction and driver !

