



The rear wing is designed to achieve the perfect balance between downforce and aerodynamic drag. The product combines advanced engineering, modern materials, and precise craftsmanship. It is ideal for vehicles focused on elegance and aesthetics, as well as for motorsport projects. Each unit is built around a lightweight carbon composite core. The wing is then reinforced with a composite skin of the customer's choice: fiberglass, aramid fiber, hybrid fiber, or carbon fiber, depending on the desired characteristics. Upon request, we can design the mounting legs and trunk lid feet tailored specifically to the customer's vehicle.

**INCREASED REAR AXLE DOWNFORCE**

**IMPROVED VEHICLE HANDLING**

**CUSTOMIZABLE WING FINISH**

**DESIGN BASED ON CFD ANALYSIS**



#### PRODUCT DESCRIPTION

The main functions of rear wings are:

- **Increasing aerodynamic downforce:** The primary role of a rear wing is to generate a force that presses the car onto the road at higher speeds, improving rear axle grip.
- **Stabilizing the vehicle at high speeds:** The rear wing helps prevent the rear of the car from “floating” and reduces body lift.
- **Aerodynamic balance of the car:** It often works in conjunction with the front splitter, diffuser, and other aerodynamic elements, helping to balance the distribution of aerodynamic forces between the front and rear of the vehicle.

**Adjustable angle of attack:** The lower wing mounts feature adjustment holes, allowing the wing’s angle of attack to be modified. This directly affects its performance—an increased angle of attack provides higher downforce but at the cost of greater aerodynamic drag.

#### KEY PRODUCT FEATURES

- **Advanced Aerodynamics:** The profile geometry is designed in a CAD environment and optimized using CFD (Computational Fluid Dynamics) analyses to maximize downforce while minimizing aerodynamic drag.
- **High Strength:** The core is manufactured using 3D printing technology, providing high rigidity and precise shape with very low weight, allowing the wing’s mass to be reduced without compromising its strength.
- **Modular Design:** The wing is designed to accommodate different variants of endplates and lower mounts.
- **Available in 3 different base mount widths**





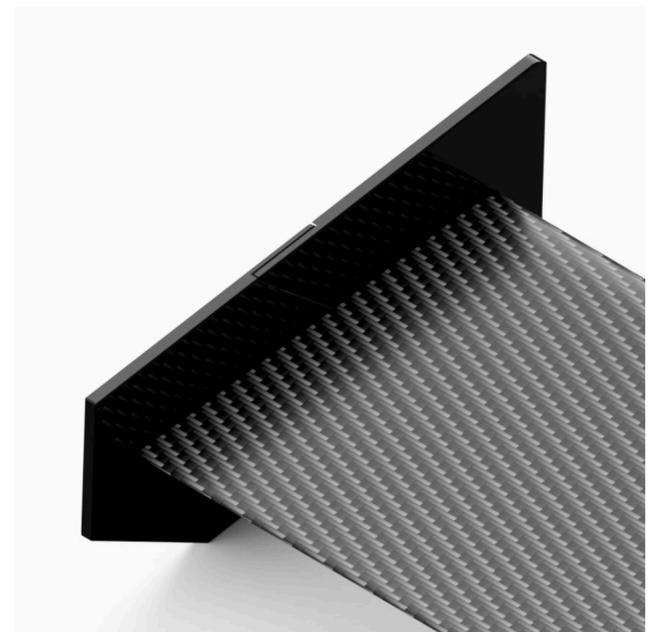
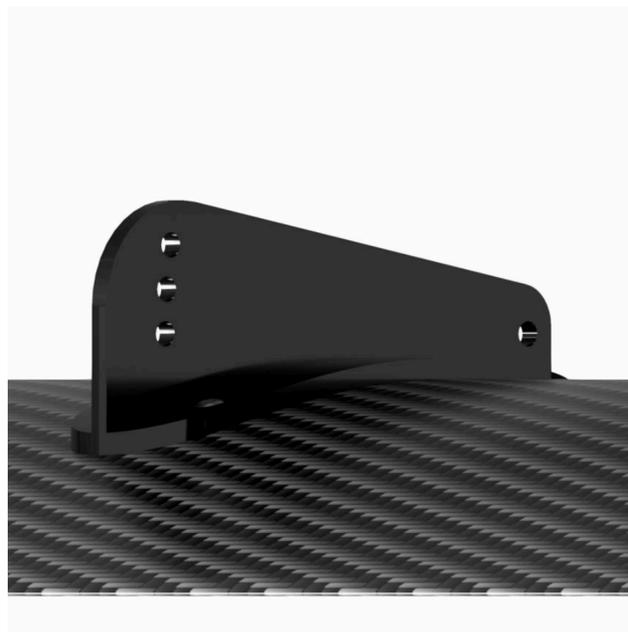
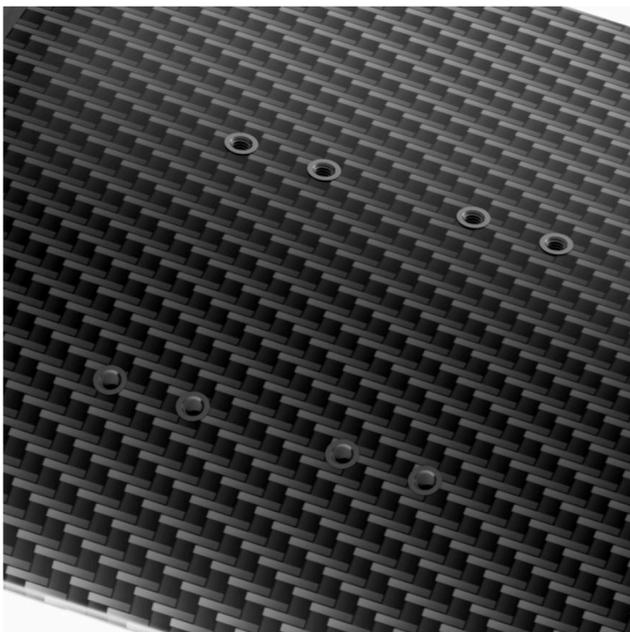
#### THE KIT INCLUDES

- 3DP-45 Arc Wing
- Complete set of lower mounts (2 pcs.) (left and right)
- Installation kit
- Upon customer request, we can design the spoiler supports and trunk lid feet tailored to the vehicle.

#### CFD DATA

Angle of Attack [°]	Downforce [kg]	Aerodynamic Drag [kg]
0	53	3.5
5	80	6
10	95	9





#### INSTALLATION INSTRUCTIONS

Technical Data Sheet

#### DIFFICULTY LEVEL

Intermediate - automotive enthusiasts with basic knowledge will be able to install the purchased part.

#### NOTES

\*Before purchasing, ensure that the product is compatible with your vehicle.  
\*\*The set does not include lower mounts for the trunk lid or spoiler feet.  
\*\*\*The wing set includes only the endplates shown in the car model photos.

#### CONTACT

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