



The rear wing is designed to maintain the lowest possible aerodynamic drag. It is ideally suited for vehicles with a less aggressive bodyline. The product combines advanced engineering, modern materials, and precise craftsmanship. It is perfect for cars focused on elegance and aesthetics, as well as for motorsport projects. Each unit is built around a lightweight structural core made of carbon-based material using 3D printing technology, allowing us to achieve the most intricate shapes. 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:

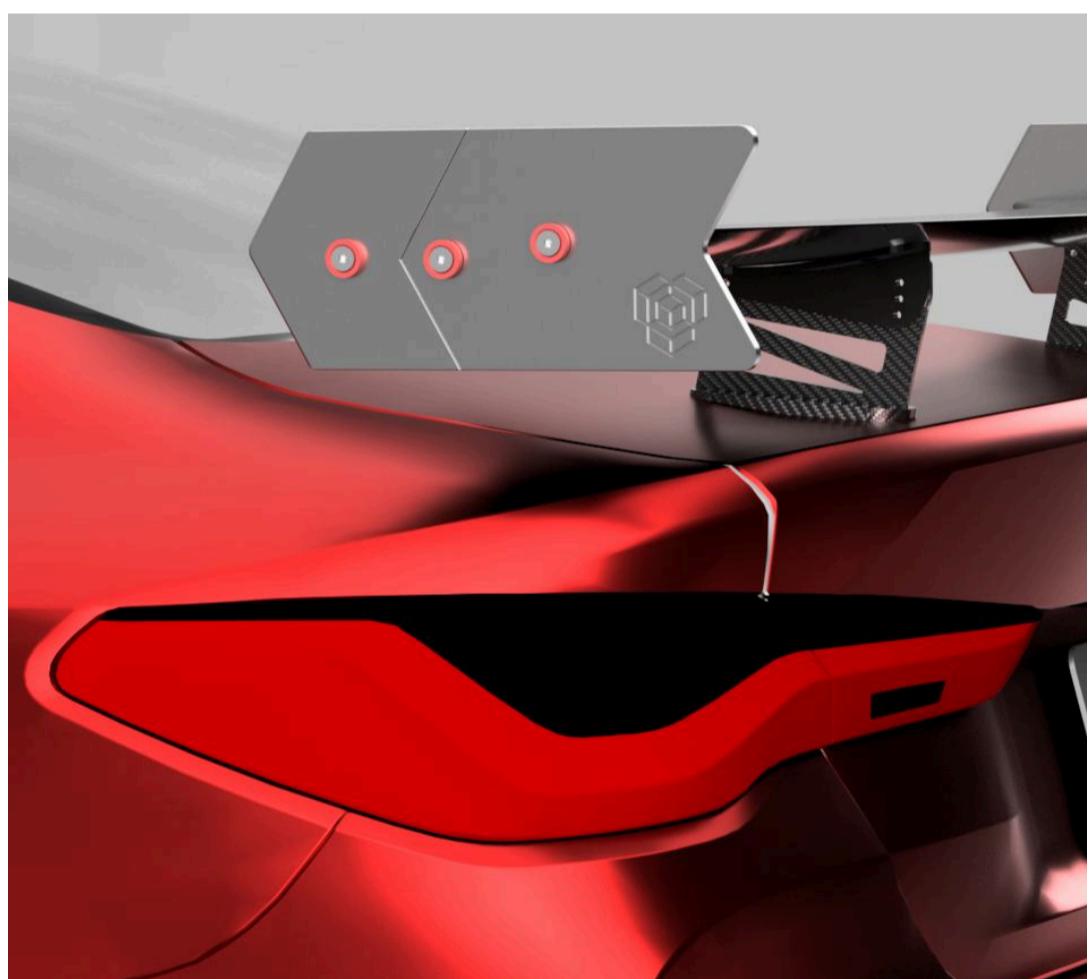
- Increasing aerodynamic downforce: The primary function of the rear wing is to generate a force that presses the car onto the road at higher speeds, improving rear axle grip.
- Vehicle stability at high speeds: The rear wing helps prevent the rear of the car from “floating” and reduces body lift.
-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

Adjustable lower mounts: The wing’s lower mounts feature adjustment holes, allowing the angle of attack to be modified. This directly affects its characteristics—an increased angle of attack generates more downforce but also increases aerodynamic drag.

KEY PRODUCT FEATURES

- Advanced aerodynamics: The profile geometry was designed in a CAD environment and optimized using CFD (Computational Fluid Dynamics) analysis to maximize downforce while minimizing aerodynamic drag.
- High strength: The 3D-printed core provides high rigidity and precise shaping while maintaining very low weight, allowing the wing’s weight to be reduced without compromising its structural integrity.
- Modular design: The wing is designed to accommodate different variants of endplates and lower mounts.
- Available in 3 different base mount widths





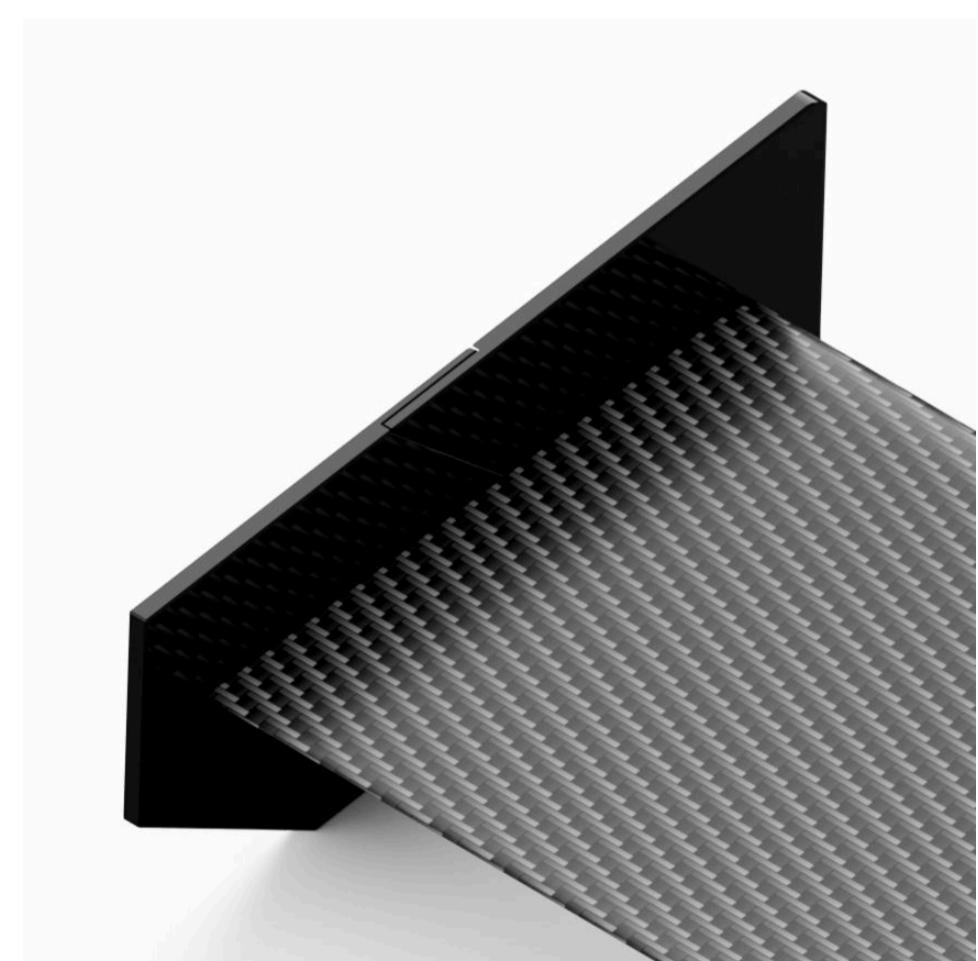
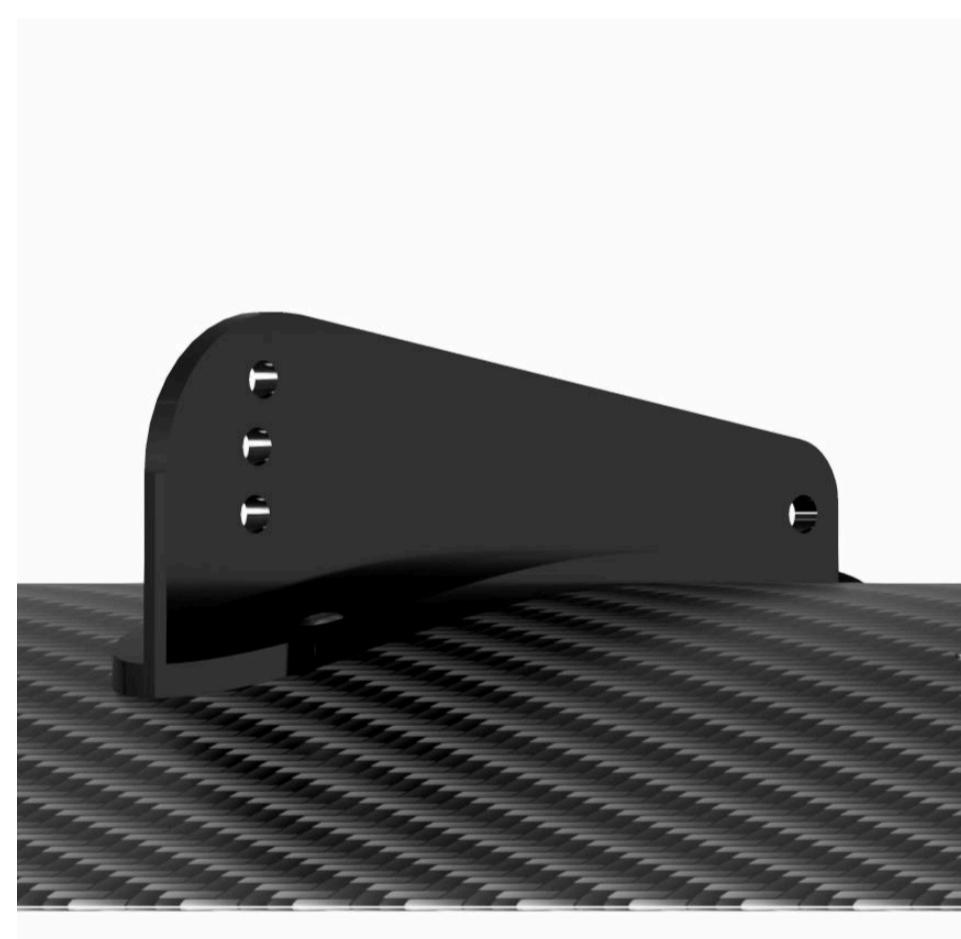
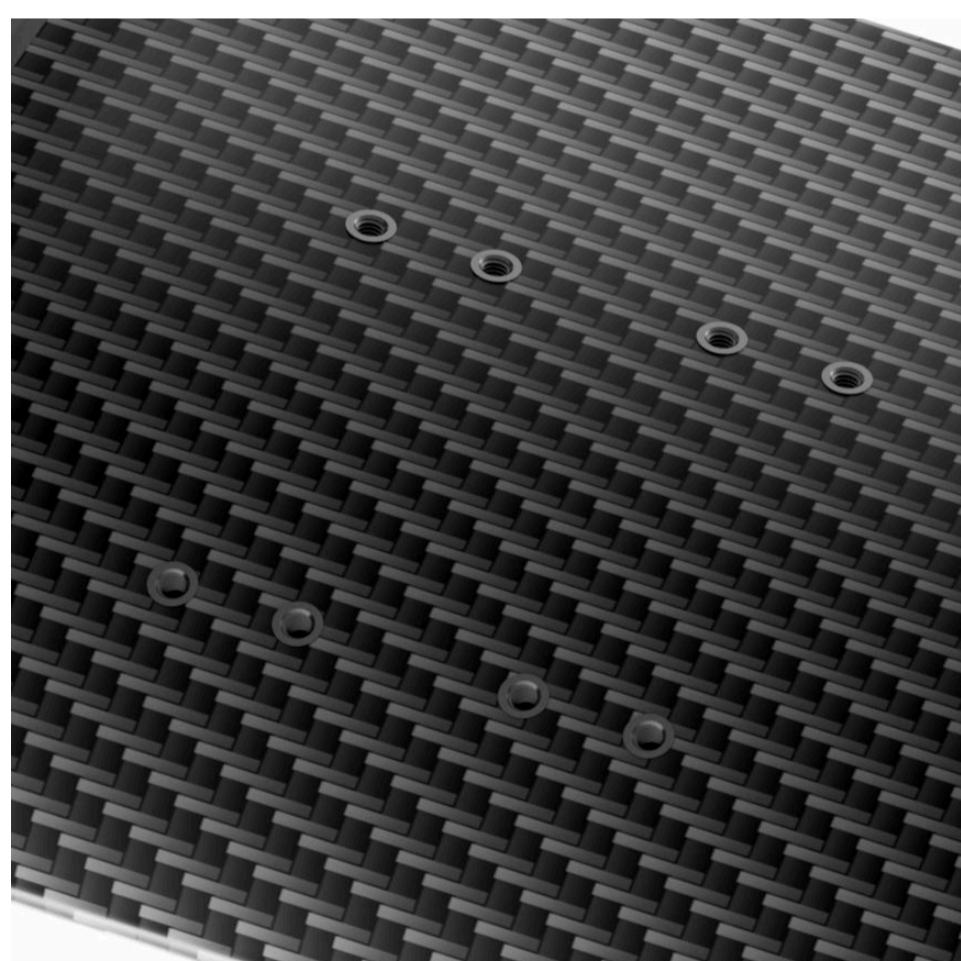
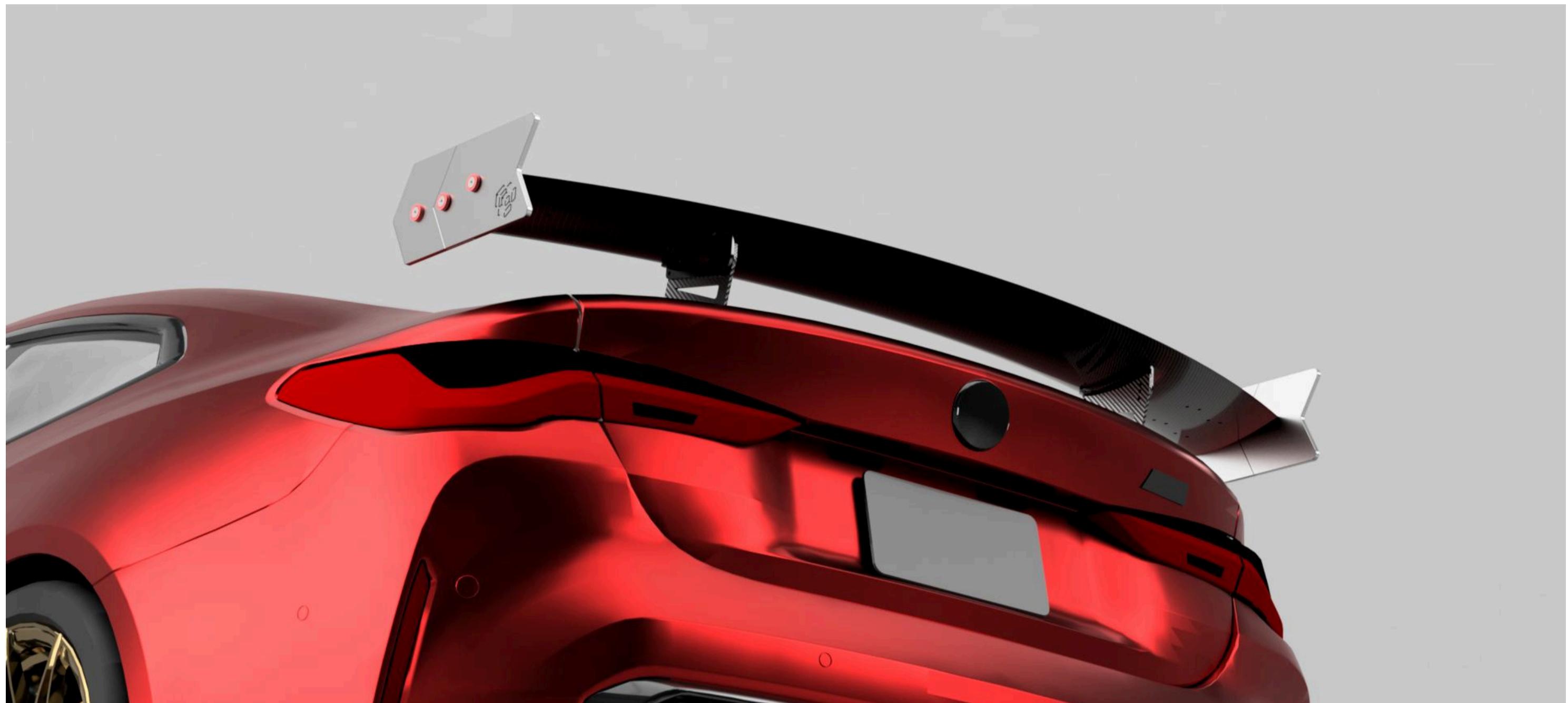
THE KIT INCLUDE

- 3DP-27 Arc Wing
- 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	34	2
5	58	3.5
10	80	6.5





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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