



## Genuine BMW Flat Wiper Blades

- **New design featuring innovative technology**
- **More safety through higher wiping quality**
- **Consistent cleaning performance**
- **Optimised wiper blade dual material technology**
- **Better winter capability**
- **Innovative design**
- **Maximum comfort**
- **Splash water reduction**

### Function in detail

– A correctly functioning windscreen wiper ensures visibility through the windscreen during wet weather conditions remains clear and streak-free. It must not flutter or lift off the windscreen even at high speeds.

- The edges of a wiper blade are only a fraction of a millimetre thick and yet multiple demands are placed on these delicate rubber parts. In the winter, colder temperatures make the rubber hard, in the summer, high temperatures cause leaching. Dirt in the form of soot, exhaust gases, insects, salt and oil are deposited daily on the wiper lip.

Optimal technology and a high grade material mix combat these damaging factors.

– Genuine BMW Flat Wiper Blades have conquered these tough daily requirements:

- Two metal brackets are directly integrated into the rubber construction.
- The traditional hinge and bracket are omitted.
- There is no scoring and no gaps between the rubber and metal and thus no whistling noise.
- Through the compact design and the integrated metal brackets, the aerodynamics are improved.

– A tempered weldable evodium steel band with high tensile strength and good ductility is at the heart of a joint-free Genuine BMW Flat Wiper Blade. The flex rails are manufactured from this steel band using complex reforming processes to form the backbone of the flat wiper blade.

– Due to the steel consistency and the additional processing, the contour fits optimally to each respective windscreen curvature.

### Benefits

**New design featuring innovative technology** The extraordinary design of Genuine BMW Flat Wiper Blades cuts the installation height almost in half through the omission of the joint parts. Wind noise is significantly lowered through the reduction of the aerodynamically exposed surface area. The extremely flat design improves visibility even under difficult conditions.

### More safety through higher wiping quality

The custom-fit and externally arranged evodium flex rails of Genuine BMW Flat Wiper Blades matches the curvature of the windscreen exactly and ensures an even distribution of contact pressure over the entire length of the wiper blade. This combination of balanced force distribution and aerodynamically-optimised profile ensures a perfect wiping performance and thus guarantees improved visibility at all speeds and weather conditions. Streaking is thus significantly reduced, adding an extra element of safety for the driver.





### **Consistent performance**

During their average lifespan, Genuine BMW Flat Wiper Blades have to clean a surface equivalent to approx. 60 football fields. Water, snow and dirt are eliminated in over 500,000 wiping cycles. The wiper blades cover a distance of approx. 800 km.

### **Optimised wiper blade dual material technology**

Genuine BMW Flat Wiper Blades are made of two different types of rubber. The micro double edge of the wiper lip, which is made from hard natural rubber, ensures a continuous, thorough cleaning performance whilst the rubber spine, made from soft synthetic rubber, ensures an especially smooth motion. The durability and wear-resistance of the two component technology guarantees an excellent cleaning performance over the entire operating lifetime and ensures the wiper lip remains at the correct angle under all climate conditions.

### **Better winter capability**

Evodium spring rails reliably replace the conventional hinge and bracket construction. Icing of the bracket system no longer occurs since the metal frame and joint are omitted. Genuine BMW flat wiper blade system has a high winter performance capability due to its closed design.

### **Innovative design**

The integrated aerodynamic spoiler of Genuine BMW Flat Wiper Blades has a fluidic-optimised profile. This achieves an even force distribution over the entire wiper blade; the lifting force is reduced and "wiper flutter" prevented. Genuine BMW Flat Wiper Blades are thus stable and insensitive to wind, even at high speeds. The even contact pressure prevents points of high wear and allows the wiper blade to glide evenly over the windscreen. This also increases the resistance to insects and stubborn dirt.

### **Maximum comfort**

Replacing the wiper blade is remarkably easy. The Genuine BMW Flat Wiper Blade is attached to the wiper arm through a special plug connection. This perfect combination of form and function gives the wiper blade an unobtrusive appearance and integrates elegantly into the vehicle design.

### **Splash water reduction**

The extremely flat design and innovative bracket construction prevent additional water spray from remaining or collecting on the windscreen.

### **Quality assurance**

**Windscreen wipers are of crucial importance to vision and safety. The high quality of Genuine BMW Flat Wiper Blade rubber prevents dirt from permanently depositing on the windscreen. Care and attention in the development and construction and a precise manufacturing process ensure that Genuine BMW Flat Wiper Blades withstand the mechanical, chemical and thermal loads placed on them over their entire lifetime.**

### **Tested for environmental influences**

Genuine BMW Flat Wiper Blades must be resistant to acids, dirt, and leaching over their entire lifetime. Strong light irradiation or high ozone values must not be allowed to influence their performance.

### **Tested from +80 °C to -30 °C**

The thermal requirements are checked in comprehensive tests. In the laboratory and on-road tests, temperatures from +80 °C to -30 °C are created to check performance under all weather conditions.





### **Function test to 100% satisfaction**

Even at low temperatures, when the rubber is harder, the wiper lip must tilt securely at the point of inflection. This means that a Genuine BMW Flat Wiper Blade is 100% fully functional even at -10 °C!

### **Advantages of Genuine BMW Flat Wiper Blades**

- New design through evodium spring rails
- Virtually half the installation height through omission of joint parts
- Reduced aerodynamically exposed surface area
- Even distribution of contact pressure
- Aerodynamic profile for perfect wiping performance
- More safety through improved wiping quality
- Optimised wiper blade dual material technology
- No icing or freezing over through compact design
- Innovative design
- Reduction of water spray and optimal comfort
- Comprehensive quality assurance

