

# Wiper blades

## Overview

Improved visibility in the long run. Bosch wiper blades always fit perfectly – with any weather, on any vehicle and thanks to the comprehensive range they even meet most diverse market and customer requirements.

### Tradition and Innovation

The story of Bosch wiper-blade success started in 1926 as the first electric wiper system was launched. And it is continued to the present day by several additional innovations such as spoiler wiper blades, windshield washer systems, jet wiper systems with integrated wash jets and Aerotwin wiper blades with patented wiper-rubber technology.

### Technological partnerships

In close cooperation with a large number of vehicle manufacturers, Bosch does a lot of development work. By means of the innovative Power Protection Plus wiper rubber, among other innovations, it provides clear perspectives of future technologies.

### High vehicle coverage

Bosch wiper blades perfectly fit almost any vehicle – no matter how different individual types may be: from latest car models to commercial vehicles and through to vintage and classic cars. With up to 99 %, the vehicle coverage is particularly high.

### Flexibility of the product range

A market-suited or customer-specific range of wiper blades for the most diverse types of vehicles and sales channels can be picked out of the complete Bosch range of wiper blades.

### Reliable performance, maximum safety

Bosch wiper blades are subject to tough performance and resilience tests – both at the test laboratory and right on the vehicle. Many years of experience in development and production make the difference. The result: perfect fit and optimum wiper performance.

### Strong-selling appearance

Starting with the eye-catching and practical packaging right through to attractive sales promotions – Bosch ensures maximum success in sales of wiper blades. Intuitive product finders help finding the right wiper blade while fitting instructions and videos ease the fitting.



# Flat passenger-car wiper blades

## Product range



	Aerotwin Original A	Aerotwin Universal AM	Aerotwin Universal AP	Aerotwin Upgrade AR	AeroEco AE
<b>Bosch Aerotwin: the technology leader in terms of flat wiper blades – aerodynamic design and patented Power Protection Plus wiper rubber for optimum visibility under any weather conditions</b>					<b>Value-based flat wiper blades for older vehicles</b>
Wiper-rubber technology	Power Protection Plus wiper-rubber technology for optimum wiping performance, minimum wiping noise and a long service life – even under extreme temperatures				Natural rubber with graphite coating for thorough cleaning
Structure	2 parallel high-tech spring strips made from Evodium steel for perfect contact pressure				Bent spring strip
Adapter system	Pre-assembled original adapter	Pre-assembled universal Multi-Clip adapter	Innovative modular adapter system	Pre-assembled adapter for upgrading	6 adapters for OE- and hook-type wiper-arm types
Assembly	●●●●●	●●●●●	●●●●	●●●●●	●●●
Service life	●●●●●	●●●●●	●●●●●	●●●●●	●●●
Wiping performance	●●●●●	●●●●●	●●●●●	●●●●●	●●●●
High-speed behavior	●●●●●	●●●●●	●●●●	●●●●●	●●●●
Smooth operation	●●●●●	●●●●●	●●●●●	●●●●●	●●●
Amount of part numbers	>150	7	15	50	11
Market coverage	> 99% of all OE	> 25% of all OE	> 90% of all OE	> 99% of all hooks	> 90%
Wiper-blade lengths	340 – 800 mm	380 – 700 mm	340 – 800 mm	340 – 700 mm	350 – 700 mm
Scope of application					
Packaging	Set	Set	Single	Set, Single	Single

# Passenger-car wiper blades

## Conventional/metal bracket

### Product range



	Twin with and without spoiler		Eco
	The ideal solution in terms of conventional wiper technology – with spoiler for higher speeds		Value-based conventional wiper blades for older vehicles
Wiper-rubber technology	Dual-material technology with smooth-running coating for smooth operation, optimum cleaning and a long service life		Proven single-material technology with graphite coating
Structure	Robust and resilient all-metal bracket system		Robust all-metal bracket system
Adapter system	Pre-assembled Quick-Clip universal adapter		
Assembly	● ● ● ● ●	● ● ● ● ●	● ● ● ● ●
Service life	● ● ● ●	● ● ● ●	● ● ●
Wiping performance	● ● ● ●	● ● ● ●	● ● ●
High-speed behavior	● ● ● ●	● ● ●	● ● ●
Smooth operation	● ● ● ●	● ● ● ●	● ● ●
Amount of part numbers	49	71	9
Market coverage	> 99 % of all conventional wiper arms		> 90 % of all hooks
Wiper-blade lengths	400 – 700 mm	260 – 700 mm	340 – 650 mm
Scope of application			
Packaging	Set, Single	Set, Single	Single

# The Aerotwin range

## Product lines

### Aerotwin Original A, e.g. A 979 S



#### Original sets

- ▶ Complete range of sets individually optimized for each specific vehicle
- ▶ More than 150 part numbers with a market coverage exceeding 99 % for OE types
- ▶ Quick and easy fitting thanks to pre-assembled Original adapter aligned with the specific passenger-car model

### Aerotwin Universal AM, e.g. AM 462 S



#### Universal sets

- ▶ Complete range with universally matching sets for the most important OE wiper-arm types
- ▶ Range of 7 part numbers featuring a market coverage exceeding 25 % for OE types
- ▶ Quick and easy fitting thanks to the pre-assembled Multi-Clip adapter for the 4 most common wiper-arm types on the vehicle market

### Aerotwin Universal AP, e.g. AP 24 U



#### Universal singles

- ▶ Complete single range universally optimized for OE wiper-arm types by its modular adapter system
- ▶ Range of 15 part numbers featuring a market coverage for OE vehicles exceeding 90 %
- ▶ Always the right solution thanks to the modular adapter system: 4 adapters match the 10 most common wiper-arm types

### Aerotwin Upgrade AR, e.g. AR 601 S



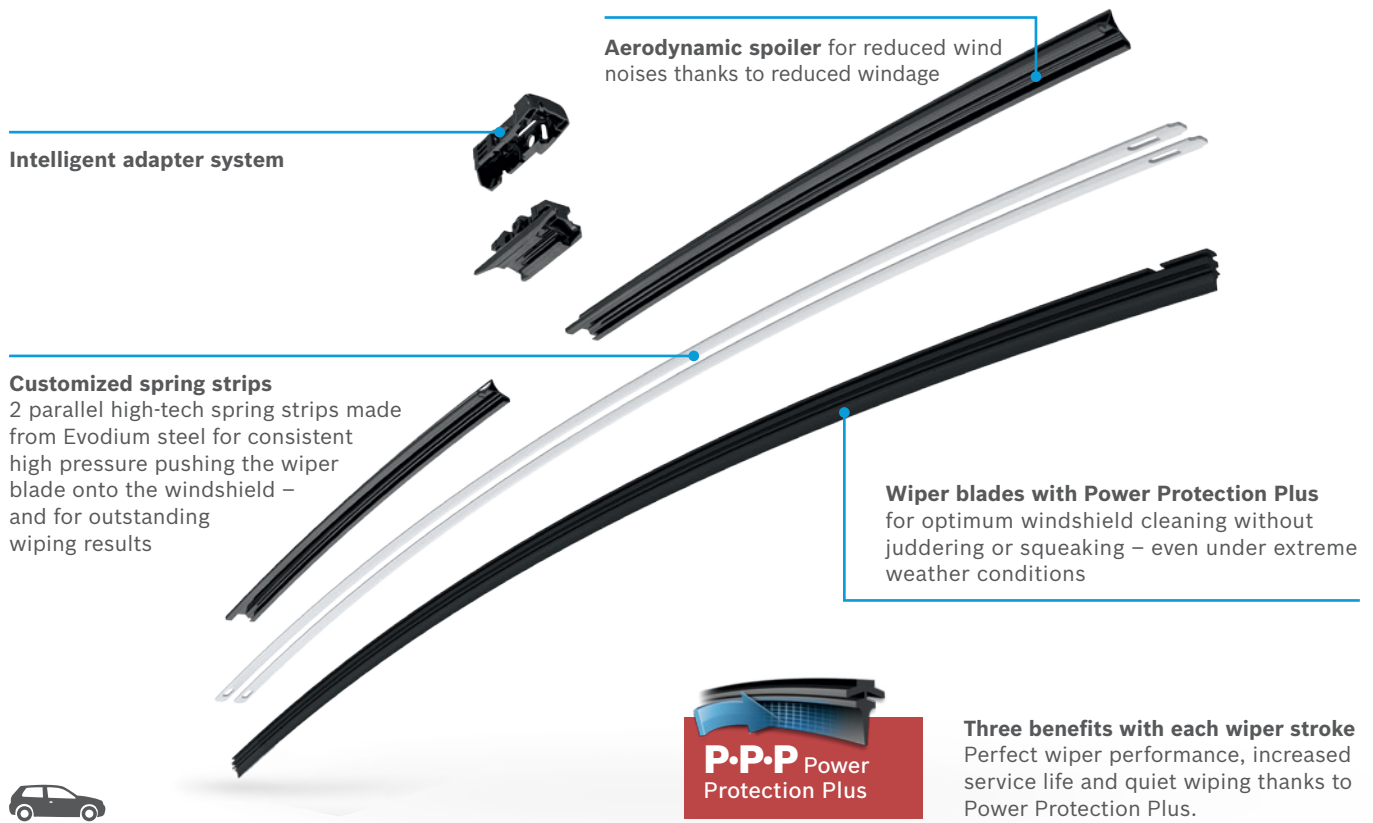
#### Upgrade range

- ▶ Compact range with universally matching sets and singles for hook-type wiper arms
- ▶ 50 part numbers featuring a market coverage for hook-type wiper arms exceeding 99 %
- ▶ Quick and easy fitting thanks to the pre-assembled adapter

# Aerotwin flat passenger-car wiper blade

## Product details & technology

**Bosch Aerotwin: the technology leader in terms of flat wiper blades –**  
aerodynamic design and patented Power Protection Plus wiper rubber for optimum visibility under any weather conditions



### Advantages at a glance

- ▶ **Perfect wiper performance under any weather conditions, increased service life and gentle wiper action:**  
wiper rubber with patented Power Protection Plus coating
- ▶ **Quick and easy fitting:**  
intelligent adapter system for quick and easy replacement of wiper blades
- ▶ **Clear view even at high speeds:**  
tailor-made high-tech spring strips ensure optimum contact pressure for the wiper blade to fully and optimally clean the windshield
- ▶ **Extremely low wiping noise:**  
aerodynamic design for reduced windage
- ▶ **Perfectly fitting and safe:**  
comprehensive and vehicle-specific quality and functional tests complying with the same standards as those applied for OE parts; high coverage of all common wiper-arm types

# AeroEco flat passenger-car wiper blade

## Product details

Value-based flat wiper blades for older vehicles

Less part numbers,  
higher coverage



### Advantages at a glance

- ▶ **Clear view:** universally bent spring strip evenly distributes the contact pressure across the windshield
- ▶ **Thorough cleaning:** natural wiper rubber with graphite coating ensures a smooth operation
- ▶ **Improved wiper performance and less wind noise:** aerodynamic spoiler increases the contact pressure
- ▶ **Vehicle coverage exceeding 90%:** modular adapter system with 6 adapters



### Adapter system

Thank to its modular adapter system (6 adapters), AeroEco perfectly fits all common OE- and hook-type wiper-arm types.



# Twin metal-bracket passenger-car wiper blade

## Product details & technology

The ideal solution in terms of conventional wiper technology –  
with spoiler for higher speeds

**Pre-assembled Quick-Clip adapter**  
allows fitting within seconds

**Spoiler** for improved  
high-speed behavior

**Robust all-metal  
bracket system**  
makes these wiper  
blades extremely  
resilient under any  
weather conditions

**Two flexible spring strips**  
for improved distribution of the con-  
tact pressure across the windshield

**Wiper rubber with twin-material technology**  
ensures perfect cleaning and low wiping noises –  
even with partially dry windshields

**Double corrosion protection**  
significantly increases the service life in  
case of tough weather conditions

**With and  
without  
spoiler**



### Advantages at a glance

- ▶ **Perfect cleaning and low wiping noise:** wiper rubber with dual-material technology and smooth-glide coating for increased wiping comfort under any weather conditions
- ▶ **Robust and durable:** wiper rubber with wear-resistant micro twin edge and a resilient metal bracket system with double corrosion protection result in high resilience
- ▶ **Easy to fit:** pre-assembled Quick-Clip universal adapter for quick and easy replacement of wiper blades
- ▶ **Best wiper performance, even at higher speeds:** at higher speeds and thanks to its aerodynamic shape, the Twin spoiler pushes the wiper blade onto the windshield thus preventing it from lifting

# Eco metal-bracket passenger-car wiper blade

## Product details

Value-based conventional wiper blades for older vehicles

Less part numbers,  
higher coverage



### Advantages at a glance

- ▶ **Effective cleaning and low wiping noise:** natural wiper rubber with graphite coating reduced the operational noises and ensures a clear view under any weather conditions
- ▶ **Robust and durable:** robust all-metal bracket system with corrosion protection for a high resilience
- ▶ **Quick fitting:** pre-assembled Quick-Clip adapter for quick and easy replacement of wiper blades
- ▶ **Market coverage exceeding 90%:** 9 part numbers with lengths between 340 and 650 mm



# Flat passenger-car wiper blades

## Product range



	Aerotwin Original A	Aerotwin Universal AM	Aerotwin Universal AP	Aerotwin Upgrade AR	AeroFit AF
<b>Bosch Aerotwin: the technology leader in terms of flat wiper blades – aerodynamic design and patented Power Protection Plus wiper rubber for optimum visibility under any weather conditions</b>					<b>Value-based flat wiper blades for older vehicles and compact cars</b>
Wiper-rubber technology	Power Protection Plus wiper-rubber technology for optimum wiping performance, minimum wiping noise and a long service life – even under extreme temperatures				Wiper rubber with smooth-glide coating
Structure	2 parallel high-tech spring strips made from Evodium steel for perfect contact pressure				Bent spring strip
Adapter system	Pre-assembled original adapter	Pre-assembled universal Multi-Clip adapter	Innovative modular adapter system	Pre-assembled adapter for upgrading	Pre-assembled adapter for OE- and hook-type wiper arms
Assembly	●●●●●	●●●●●	●●●●	●●●●●	●●●●●
Service life	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●
Wiping performance	●●●●●	●●●●●	●●●●●	●●●●●	●●●●
High-speed behavior	●●●●●	●●●●●	●●●●	●●●●●	●●●●
Smooth operation	●●●●●	●●●●●	●●●●●	●●●●●	●●●●
Amount of part numbers	>150	7	15	50	31
Market coverage	> 99% of all OE	> 25% of all OE	> 90% of all OE	> 99% of all hooks	> 50%
Wiper-blade lengths	340 – 800 mm	380 – 700 mm	340 – 800 mm	340 – 700 mm	350 – 700 mm
Scope of application					
Packaging	Set	Set	Single	Set, Single	Set

# Flat passenger-car wiper blades

## Product range



	Aerotwin Original A	Aerotwin Universal AM	Aerotwin Universal AP	Aerotwin Upgrade AR	AeroFit AF
<b>Bosch Aerotwin: the technology leader in terms of flat wiper blades – aerodynamic design and patented Power Protection Plus wiper rubber for optimum visibility under any weather conditions</b>					<b>Value-based flat wiper blades for older vehicles and compact cars</b>
Wiper-rubber technology	Power Protection Plus wiper-rubber technology for optimum wiping performance, minimum wiping noise and a long service life – even under extreme temperatures				Wiper rubber with smooth-glide coating
Structure	2 parallel high-tech spring strips made from Evodium steel for perfect contact pressure				Bent spring strip
Adapter system	Pre-assembled original adapter	Pre-assembled universal Multi-Clip adapter	Innovative modular adapter system	Pre-assembled adapter for upgrading	Pre-assembled all-in-one universal adapter
Assembly	●●●●●	●●●●●	●●●●	●●●●●	●●●●
Service life	●●●●●	●●●●●	●●●●●	●●●●●	●●●●
Wiping performance	●●●●●	●●●●●	●●●●●	●●●●●	●●●●
High-speed behavior	●●●●●	●●●●●	●●●●	●●●●●	●●●●
Smooth operation	●●●●●	●●●●●	●●●●●	●●●●●	●●●●
Amount of part numbers	>150	7	15	50	12
Market coverage	> 99% of all OE	> 25% of all OE	> 90% of all OE	> 99% of all hooks	> 85%
Wiper-blade lengths	340 – 800 mm	380 – 700 mm	340 – 800 mm	340 – 700 mm	340 – 700 mm
Scope of application					
Packaging	Set	Set	Single	Set, Single	Single

# Aerofit flat passenger-car wiper blade

## Product details

Value-based flat wiper blades for older vehicles and compact cars

Aerodynamic  
flat wiper-blade  
design



### Advantages at a glance

- ▶ **Clear view:** high-tech spring strip evenly distributes the contact pressure across the windshield
- ▶ **Thorough cleaning:** wiper rubber with smooth-glide coating ensures perfect cleaning
- ▶ **Less wind noise:** aerodynamic flat wiper-blade design with symmetric spoiler ensures increased windshield contact pressure
- ▶ **Quick and easy fitting:** pre-assembled adapter for OE- and hook-type wiper arms

# Aerofit flat passenger-car wiper blade

## Product details

Value-based flat wiper blades for older vehicles and compact cars

Aerodynamic  
flat wiper-blade  
design



### Advantages at a glance

- ▶ **Clear view:** high-tech spring strip evenly distributes the contact pressure across the windshield
- ▶ **Thorough cleaning:** wiper rubber with smooth-glide coating ensures perfect cleaning
- ▶ **Less wind noise:** aerodynamic flat wiper-blade design with symmetric spoiler ensures increased windshield contact pressure
- ▶ **Quick and easy fitting:** pre-assembled adapter for OE- and hook-type wiper arms

# Aerofit flat passenger-car wiper blade

## Product details

Value-based flat wiper blades for older vehicles and compact cars



### Advantages at a glance

- ▶ **Clear view:** high-tech spring strip evenly distributes the contact pressure across the windshield
- ▶ **Thorough cleaning:** wiper rubber with smooth-glide coating ensures perfect cleaning
- ▶ **Improved wiper performance and less wind noise:** aerodynamic and symmetric spoiler increases the contact pressure
- ▶ **Quick and easy fitting:** pre-assembled all-in-one adapter

# Wiper blades

## Development, production and quality tests

### Development and innovation

#### Maximum comfort, pioneering design

- ▶ All components are developed in a vehicle-specific manner and the wiper system is perfectly adjusted down to the last detail by means of latest tools
- ▶ At the wind tunnel, Bosch tests e.g. different wind conditions and speeds of up to 160 km/h (100 mi/h)

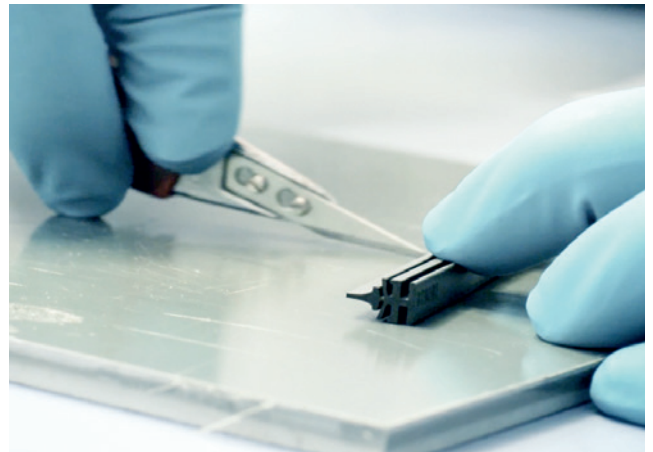


*Bosch develops wiper blades in Bühl (Germany) and Tienen (Belgium)*

### Large-batch production

#### Special Bosch rubber compound received numerous awards

- ▶ Consistently high series-production quality of the rubber compound ensured by sophisticated analyses at the laboratory prior to release for production
- ▶ Durable wiper rubber thanks to its high resistance to wear, UV radiation and aging as well as to its high thermal elasticity



### Performance and resilience tests

#### Prime principle: safety and reliability first

- ▶ Stringent performance and resilience tests at the test laboratory as well as right on the vehicle provide the basis for the consistently high quality of Bosch wiper blades
- ▶ The tested factors include resistance to environmental and ozone influences, chemical exposure and abrasion, among others
- ▶ Performance tests concerning wiper performance, noise generation, high-speed behavior and durability for lastingly high wiping quality



# Wiper blades

## Appealing and practical packaging

The performance of Bosch wiper blades is nothing to sneeze at – and even its packaging is quite impressive. Its appealing design is a real sales support. A lot of practical details ease the selection of the right wiper blade as well as its installation.

**The quick way to find the matching product**  
List of the most important vehicle models

**Easy to fit**  
Easily understood step-by-step instructions



**QR code:**  
for online  
fitting videos

**Simply convincing**  
Overview of the top product features and advantages

**Most important information at a glance**  
Product name, customer search number, wiper-blade length and amount of wiper blades

**Always the right choice**  
Intuitive star comparator eases the product selection according to criteria such as fitting, service life or wiping performance

### How to find the right wiper: Fast, online and mobile

#### The Bosch wiper app:

- ▶ Easy navigation to easily find your vehicle
- ▶ All matching wipers at a glance
- ▶ Detailed product information
- ▶ Quick comparison of product alternatives
- ▶ Simple installation video

For iOS,  
Android and  
Windows



#### The Bosch wiper website:

- ▶ Offers all the same great features as the app
- ▶ Can be accessed online anywhere
- ▶ Optimal display on your smartphone, tablet or computer

[www.boschwiperblades.com](http://www.boschwiperblades.com)

