

# Motorcycle Windshield Materials

**Motorcycle windshields are made of various materials. The type you choose can save your life.** This article describes some of the choices on the market.

There are many bike riders that like having a shield in front of them as they ride. **Shields help keep the bugs out of your teeth and the rain from feeling like shot from a shotgun. They also help protect the riders from large bug spatter that almost knock them off their bikes, as well as debris that comes from vehicles either passing or that is in front of them. They are great in the wintertime to block the cold wind. The winter wind will make your hands numb no matter if you wear riding gloves or not.**

There are many types of bikes on the road today, and the type of bike that you have has to be considered when purchasing a windshield. The cruisers mostly sit low and you should notice how high your eyes and head are from the headlight. **It is each rider's preference as to how high the windshield should be, however, most riders like to look over the top edge of the windshield. You should also be able to see at least 50 feet in front of you. You should also consider the width of the windshield for winter riding.** Do you want it to protect your hands? The bikes that you have to lean forward to ride, such as the Honda CBR, usually go by the same general rules that the cruisers do.

**There are several differences in certain types of material for motorcycle windshield materials. The oldest type is the Acrylic type, they were well known for their crystal clear windshields, and however, drill mounting put stress cracks in the acrylic and lead to breakage. Then as time passed a high impact Acrylic windshield was developed which passed a plastic test called the IZOD test, where the standard acrylic broke at 1.5 pounds per foot and the high impact windshield held up to 8 pounds per foot before it broke. Now the new Quantum Polycarbonate is the toughest material made that outstands the others with much better strength much better optical quality, and has far better scratch and abrasion resistance.**

There are several differences in the types of motorcycle windshield materials. In the past windshields were made from FMR surface coatings, which gave the polycarbonate a much better abrasion resistance, than ordinary acrylic windshields. These FMR polycarbonate were the Cadillac of [motorcycle windshields](#) for many years, but has now lost its place as another type has been developed.

The new Quantum windshields now offer 30 times more abrasive resistance than the old acrylic windshields and 10 times more resistance than the FMR coatings. As far as crack resistance, the Quantum is 23 times better than the acrylic types, and is equal in crack resistance as FMR polycarbonates.

**The old adage stands that you get what you pay for. If you are worried about the price and purchase a windshield that you can afford, it may not protect you the way you would like, instead of saving the money and purchasing the best motorcycle windshield on the market.**

**Safety should always be your utmost concern, as there is no one more important than yourself.**

## **Reasons for Installing a Motorcycle Windshield**

Have you recently purchased a motorcycle that doesn't have a windshield on it? Have you been riding your motorcycle for years without a [windshield](#)? There are a number of reasons why you might want to have a motorcycle [windshield](#) installed on your bike.

**One of the most important reasons why you would want a motorcycle windshield is because they can provide protection from flying dirt, rocks, metal, or any other item that might have been laying on or near the highway or roadway that you are traveling on.** Dangerous items can fly up and hit you at any time, and you might not realize it until it's too late. Motorcycle windshields can prevent this from happening because they provide a barrier between you and any flying items that might hit you while you're riding your motorcycle.

**Another reason why you would want to have a motorcycle windshield installed is for the simple fact that they make driving more comfortable.**

Related Coverage

**Have you even driven a motorcycle that doesn't have a windshield on it? Steering can be much more difficult because you have the pounding wind pulling against you while you try to hang on to the handle bars. The motorcycle windshield deflects all of the wind that would otherwise blow directly into your chest and face.**

**There are a number of different types of motorcycle windshields that you can purchase. You'll find a number of different windshield heights, widths, thicknesses, colors, and styles available to choose from. Choosing the right one can be difficult, and it's really a matter of which one will provide the most protection and still look good.**

In the past, when motorcycle riding was enjoyed by a few and known only to some, motorcyclists encountered a few problems that later on led to the invention of some motorcycle gears. One of these is the motorcycle windshield.

Motorcycle riding requires you to expose yourself to different elements such as the sun, wind, earth, and sometimes water. The open road is filled with harsh elements that you need to protect your body from. For example, the UV rays from the sun could do a lot of damage to your skin. Even the wind can bring irritants such as dust and pollution. Precipitation such as rain and hail can be a risk factor when you are driving. These are only the most common things you need to protect yourself from whenever you are driving on an open road.

The most common problem that bikers complain about is wind fatigue. They usually get this from driving too long especially on a hot and windy day. As a result, motorcycle companies have produced a protective gear for their customers-the motorcycle windshield. This motorcycle gear

gets even more popular nowadays, and it is considered as the gear with the most number of sales among motorcycle fans and bikers.

**If you still have not bought one for yourself, you are probably thinking of running to your nearest motorcycle shop and purchasing the first motorcycle windshield you can find. But before you do that, you need to know a few things in choosing a motorcycle windshield.**

### **1.Headlight diameter.**

A motorcycle windshield would be a hassle to use if it does not fit properly. Do not overlook this feature because you need one that properly sits on the headlight of your motorcycle. Forgot to measure your headlight diameter? Do not worry. There are a lot of universal windshields in the market today that make it easier for you to find that perfect fit.

### **2.Let it suit your riding style.**

Each one of us yearns to be unique. With motorcycle windshield, you can achieve just that. Be sure to choose a design that goes well with your motorbike or your personality if you want. Just be sure that the angle matches the forks in the front of your motorcycle. Also take note of the height of the top of the windshield. It should be as high as the tip of your nose while you are assuming your most comfortable riding position.

### **3.Buy the proper mounting kit.**

Kits let you do jobs easier, and fortunately, proper mounting kits for motorcycle windshield are available in the market. Be sure to thoroughly inspect the tools inside the kit before deciding to purchase it.

Now that you know how to choose the proper motorcycle windshield and its specifications, you are now ready for installation. Before mounting up your windshield be sure you have enough time on your hands, about 40 minutes. It all depends on your skill, and if you have had some experience in the past, then you will find this easier to do.

Before anything, be sure to prepare all the materials in one area. Then, level your motorcycle on the ground, making sure that you secure the side stand or the kick stand. The mounting kit comes with a manual, so be sure to read everything that is written on it before beginning. Do not underestimate the knowledge that an instruction manual can give you. You will learn a lot from it and it will surely add to your motorcycle expertise. Here is a step-by-step guide on how to mount your own motorcycle windshield.

1. Windshields become more flexible when heated, so you need to warm it up before installation. This will make the job easier on you.
2. A motorcycle windshield has a protective covering. Carefully remove this plastic sheet starting from the edge.

3. If you have bought a windshield that needs to be contoured, start by holding it on both sides. Bring it near the front of your motorcycle and slowly start bending to fit the contour of your motorcycle. If you want to skip this step next time, you can buy a ready and contoured windshield shape.
4. To secure the windshield, take the screws from the mounting kit and carefully screw it to the front of your motorcycle. As you do this, be sure that no wire or any other accessory gets caught as you install it.
5. Check the windshield if it has been mounted properly. When you are happy with the results, you can now use your motorcycle.
6. Installing a motorcycle windshield does not have to be such a hassle. Thanks to mounting kits, you no longer need someone to do it for you.

When you're out on the road do you have to deal with flying objects hitting you in the chest, bugs hitting your face, or do you have trouble steering because of high wind force? If you do, then you might want to think about purchasing a motorcycle windshield for your bike.

**One of the biggest benefits of motorcycle windshields is blocking gusty winds that can often times make a trip more uncomfortable than it should be. Winds can be distracting to riders which can take away from the attention that they should have on their driving skills.**

**Another huge benefit of motorcycle windshields is the fact that they can block flying dirt and debris and prevent flying items from hitting the rider. It's very common to see pebbles or rocks bouncing around on the road because of gravelly road shoulders, and when rocks get rolling down the road there is the chance that they can bounce up and hit motorcycle riders. Windshields help deflect them so they do not hit riders while driving.**

**Also, motorcycle windshields can block bone chilling winds that are often experienced in the cooler riding seasons. If you want to experience the most comfortable ride when it comes to temperature, then you can install one that is tall enough so it can block all of the wind that would normally hit you and penetrate your clothing.**

**When a motorcycle does not have a windshield installed, then the rider will feel the force of the blowing winds directly on him when he is riding down the road. The winds will attempt to push him back on the motorcycle, so the rider will have to use extra strength and energy to hold onto the handlebars and not be blown off. Motorcycle windshields can block the wind and keep the pressure off of the rider, which will make it easier to handle the bike.**