

Hinge

Hinge - Unless it's made of aluminum oxide, aluminum can still corrode, but it won't rust. Aluminum doesn't contain iron, however, so it doesn't rust, even when exposed to moisture. In applications where multiple hinges are used, this means that using aluminum hinges can reduce the overall weight and, subsequently, stress placed on the connected objects.



Another benefit of choosing aluminum hinges is the fact that they don't rust. Aluminum weighs about 40% less than steel. As a result, aluminum hinges are often used outdoors where the climate can't be easily controlled. Aluminum hinges aren't quite as strong as steel hinges, but they weigh less than their steel counterparts. Rust, as previously mentioned, occurs when moisture — technically the oxygen within moisture — comes into contact with iron.