DATASHEET

WINDOW Wiper Arms

WIPERS FOR THE RAIL INDUSTRY

As in the marine industry, train wipers have to combat a cocktail of corrosive elements created by gasses, acids and salts. The extensive use of AISI 316 Stainless Steel throughout our wipers ensures that we are successful in combating these corrosive elements.

Aerodynamic forces become more apparent in the rail industry, especially with high speed trains and the effects of wipers lifting. In an effort to overcome these effects we have designed our wiper arms using using 316 stainless steel box section to reduce the surface area and thereby reduce the force required to lift the arm off the screen. To counteract slippage of the arm on the spindle we incorporate a double clamp, with the use of two M8 or M10 A4 316 socket screws which gives the required tension.

Another problem inherent with high speed, is structural twisting. Aerodynamic forces often identify any weakness in structure, our wiper arms have a double brace at the point it connects to the blade, which significantly reduces twisting effects. To complete the wiper system design we use only Bosch wiper blades which give the superior performance required for this type of environment.