



CASE STUDY

OSCILLATE AND PIVOT WITH PLASTIC BEARINGS

APPLICATION OVERVIEW:

This adjustable facade uses UV-resistant iglide® G300 plastic bushings to allow oscillating and rotational movement.

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Adjustable facade for the service center of an automotive manufacturer

Plastics for longer life®

iglide® plastic bushings were originally developed for machine and plant construction, but they also offer significant advantages to the structural-engineering sector, including facade construction. They are lubrication- and maintenance-free, insensitive to dirt accumulation and resistant to corrosion. Even with high loads, constant coefficients of friction are attained in long-term applications. Besides the technical advantages, plastic bushings are also more economically viable: they are considerably cheaper than traditional metallic roller bearings.

The iglide® range has a bearing for every application. iglide® G300 was chosen here, because it is an economical all-rounder and is well-suited to both oscillating and pivoting movements at low to medium speeds. It can also withstand extremely high loads and adverse environmental conditions. iglide® G300 is available from stock in a multitude of sizes.



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A total of 7,300 iglide® G300 plastic bushings are used in the 63 supporting posts of the facade. Since they were installed, they have provided problem-free, secure and reliable movement for the outer facade.

More product information

[iglide® overview](#)

[iglide® G300](#)

More application examples from various different industries

[Plastic bearings - applications overview](#)