



CASE STUDY

PLASTIC BUSHINGS FOR CONSTRUCTION VEHICLES

APPLICATION OVERVIEW:

Dirt-resistant iglide® G300 plastic bushings used in a mini excavator's track rollers.

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Mini excavator's track rollers

Service life increased

This mini excavator moves with the aid of a rubber-crawler. In order to distribute its weight equally across the entire vehicle's base, track rollers simultaneously guide the rubber-crawler sideways.

The harsh working conditions for the excavator undercarriage mean the track rollers are vulnerable to damage. iglide® G300 plastic bushings replaced expensive, grooved ball bearings and substantially increased service life due to their greatly reduced susceptibility to dirt and humidity. This application has been running problem-free and without maintenance for four years.



iglide® G300 is generally recommended whenever an economical, all-round plastic bushing is required.

iglide® G300 withstands extremely high loads and works at low to medium surface speeds. Its maximum short-term temperature is +428°F and it will also function at temperatures as low as -40°F.

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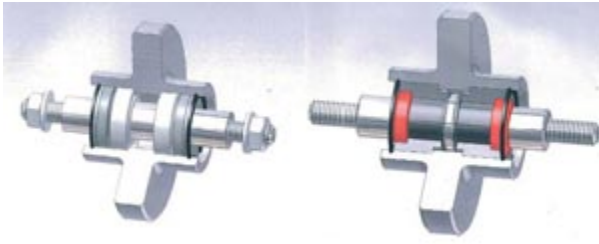
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Even though its compressive strength decreases with increasing temperatures, the permissible surface pressure at the maximum long-term temperature (266°F) still amounts to over 5,802 psi.

iglide® G300 bushings are also extremely resistant to chemicals.

More product information

[iglide® G300 plastic bushings](#)

[iglide® overview](#)

More application examples from different industries

[Plastic bearings - applications overview](#)