

BEARINGS

Igubal® Sliding Bearings

What is igubal®?

igubal® is a system of self adjusting bearing elements which are made completely of plastics.

Maintenance-free and very low-clearance fitting of the inner race in the housing is achieved by overmoulding (overinjection of the initially manufactured inner race). The combination of materials is a deciding factor in this context, as this determines the inner race's freedom of movement within the housing.

Inner race

The inner race of the standard pivoting bearings is made of iglidur W300, which is characterised by very low friction coefficients when running dry. In this context, the stick-slip tendency is extremely low, a fact which is particularly significant in cases of low loads and very slow speeds.

Housing

The housings for standard igubal® pivoting bearings are made of igumid G, a particularly impact-resistant, long fibre-reinforced polymer.

igubal® - manufactured by the overmoulding process

- Extremely low-cost manufacturing process
- Particularly low-cost for mass production
- Inner races with very small clearance
- No penetration of dirt

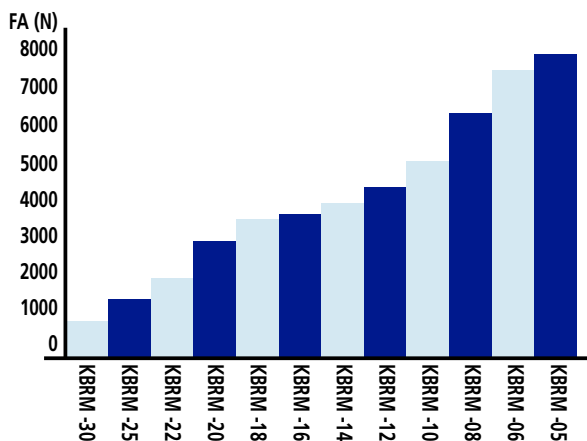
igubal® - inner races made of iglidur W300

- Very low friction coefficients when running dry
- Very good abrasion resistance
- Maintenance-free dry-running
- Very good chemical resistance
- Suitable for rotary, oscillating and linear movements

igubal® - housings made of igumid G

- Low weight
- High mechanical strength
- Impact and shock-resistant

Maximum static-axial workforce for igubal® rod ends - tensile load



Maximum pulling torque for igubal® rod end threads

