

Rolling bearings
Plain bearings
Linear technology



Large Spherical Plain Bearings

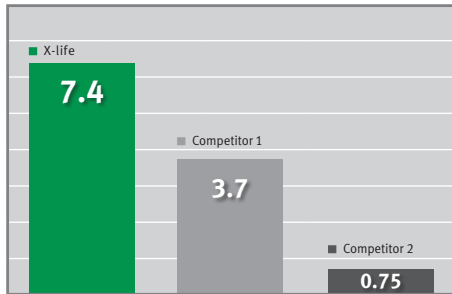


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X-LIFE – PROVEN TO BE BETTER

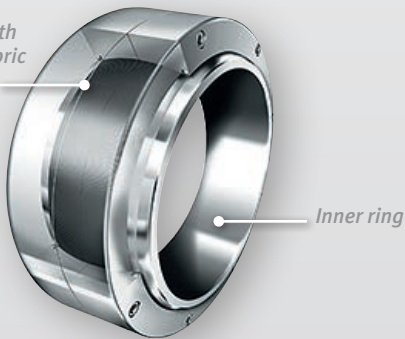
Longer rating and operating life – reliable – maintenance-free

Swivel movements (in millions) at 100 N/mm², 30° swivel angle



The X-life optimization was applied to an ELGOGLIDE bearing

Outer ring with ELGOGLIDE fabric sliding layer



Product features

- Improved friction properties due to the use of ELGOGLIDE
- Axially split outer ring with improved screw connection
- Special fabric treatment before the hardening process
- Standard bearings with double lip seal to protect the bearings on both sides
- Special variant of ELGOGLIDE W11 available
- G8 version: Outer ring with Corroprotect ZN anti-corrosion protection layer

Technical advantages

- Up to 15% higher dynamic load rating C_r
- Up to 15% longer rating and operating life
- Improved fabric adhesion
- Optimized moisture resistance
- 100% maintenance-free
- Excellent wear resistance
- Stick-slip free (W11 version)
- Reduced friction
- Corrosion resistance

Customer benefits

- *Longer operating time*
- *Increased reliability*
- *Downsizing possible, higher power density*
- *Extended maintenance intervals*
- *Reduced overall operating costs (TCO)*
- No additional seals
- No lubrication required
- Environmentally friendly
- Low-noise applications
- Reduced energy consumption

Types available

Diameter ranges (bore):

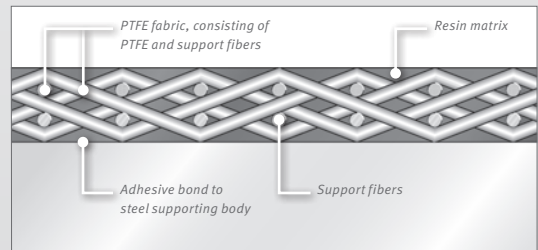
- Radial: 320 mm to 1000 mm
GE320-DW to GE1000-DW
- Axial: 220 mm to 360 mm
GE220-AW to GE360-AW

Applications

- Marine and offshore equipment (e.g. cranes)
- Bascule bridges
- Water power: Dams
- Ladle turrets in steelworks
- Mining and processing: Crushers and mills
- Construction: Steel structures



ELGOGLIDE is a fabric composed of PTFE and support fibers that is embedded in a resin matrix and bonded with high strength to the steel support body.



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