



Image may differ from product. See technical specification for details.

## GE 50 TXE-2LS

### Radial spherical plain bearing, maintenance-free, metric sizes

Radial spherical plain bearings are designed to accommodate radial and combined radial and axial loads, and also misalignment. This specific design includes a steel/PTFE fabric sliding contact surface combination and the bearings are maintenance-free. Except for those with designation suffix TXGR, they have a double-lip contact seal (-2RS) or a triple-lip, heavy duty contact seal (-2LS) on both sides. Those with designation suffixes TXGR, TXG3E or TXG3A are made of stainless steel.

- Designed for radial and combined radial and axial loads
- Long service life and maintenance-free
- Suitable for very heavy, constant direction loads
- Low coefficient of friction

# Overview

## Dimensions

Bore diameter	50 mm
Outside diameter	75 mm
Width, inner ring	35 mm
Width, outer ring	28 mm

## Performance

Basic dynamic load rating	440 kN
Basic static load rating	735 kN

## Properties

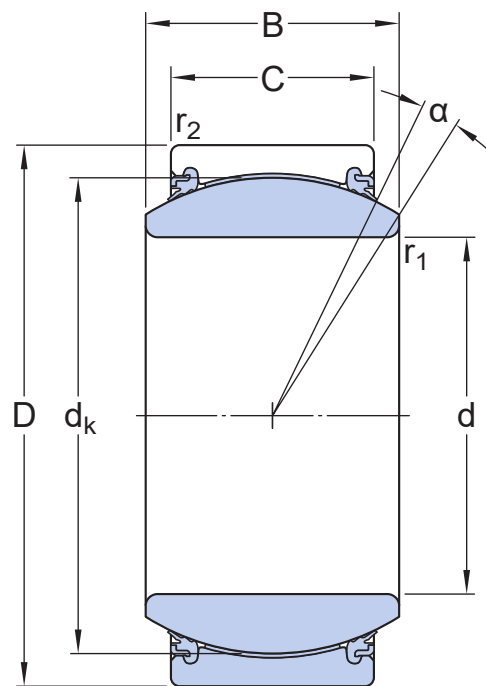
Sliding contact surface combination	Steel/PTFE fabric
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Maintenance	Maintenance-free
Sealing	Seal on both sides
Sealing type	Triple-lip
Relubrication feature	Without

## Logistics

Product net weight	0.54 kg
eClass code	23-05-01-06
UNSPSC code	31171515

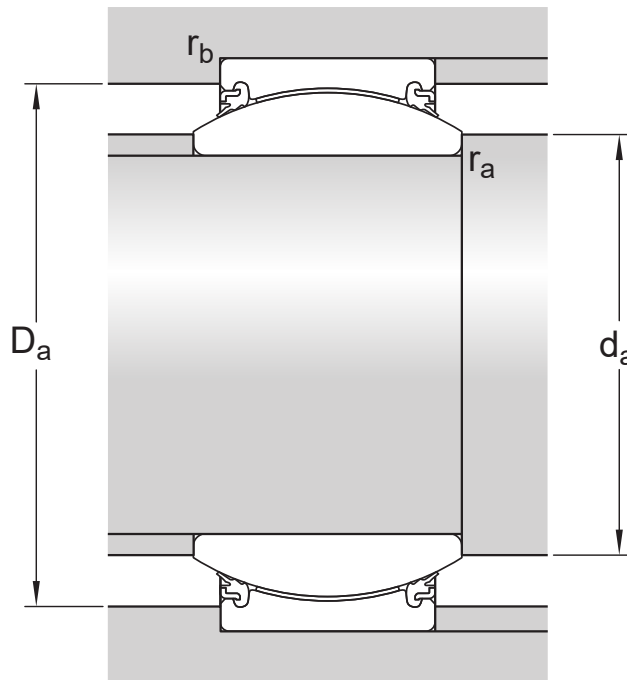
# Technical specification

Maintenance	Maintenance-free
Sliding contact surface combination	Steel/PTFE fabric
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Sealing	Seal on both sides
Sealing type	Triple-lip



## Dimensions

d	50 mm	Bore diameter
D	75 mm	Outside diameter
B	35 mm	Width
C	28 mm	Width outer ring
$\alpha$	6 °	Angle of tilt
$d_k$	66 mm	Raceway diameter inner ring
$r_1$	min. 0.6 mm	Chamfer dimension bore
$r_2$	min. 1 mm	Chamfer dimension outer ring



## Abutment dimensions

$d_a$	min. 54.5 mm	Abutment diameter shaft
$d_a$	max. 56 mm	Abutment diameter shaft
$D_a$	min. 66.5 mm	Abutment diameter housing
$D_a$	max. 70.5 mm	Abutment diameter housing
$r_a$	max. 0.6 mm	Fillet radius shaft
$r_b$	max. 1 mm	Fillet radius housing

## Calculation data

Basic dynamic load rating	C	440 kN
Basic static load rating	$C_0$	735 kN
Specific dynamic load factor	K	300 N/mm <sup>2</sup>
Specific static load factor	$K_0$	500 N/mm <sup>2</sup>




## Tolerances and clearances

- [General bearing specifications](#)

## RADIAL LOCATION OF BEARINGS

- [Recommended fits](#)

# More Information

<div> <b>Product details</b></div> <div><a href="#">Radial spherical plain bearings requiring maintenance</a></div> <div><a href="#">Maintenance-free radial spherical plain bearings</a></div> <div><a href="#">General bearing specifications</a></div> <div><a href="#">Temperature limits</a></div>	<div> <b>Engineering information</b></div> <div><a href="#">Principles of selection</a></div>	<div> <b>Tools</b></div> <div><a href="#">SKF Product select</a></div> <div><a href="#">Heater selection tool</a></div>
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