



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

## GE 25 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	25 mm
Outside diameter	42 mm
Width, inner ring	20 mm
Width, outer ring	16 mm

Performance

Basic dynamic load rating	137 kN
Basic static load rating	228 kN

Properties

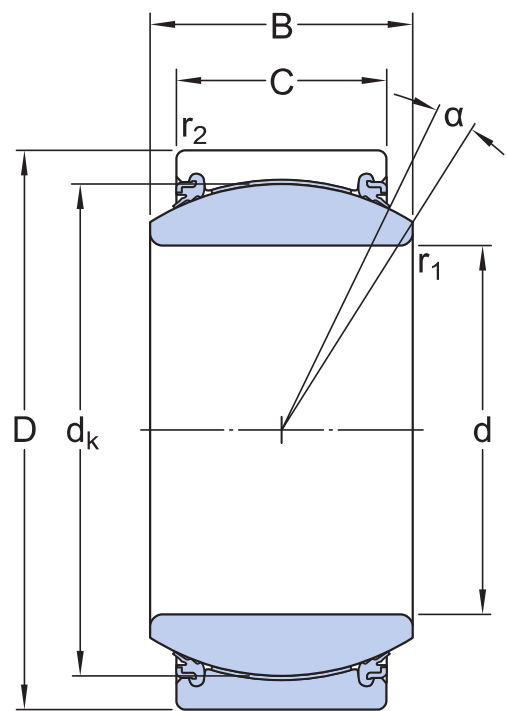
Sliding contact surface combination	Steel/PTFE fabric
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Maintenance	Maintenance-free
Sealing	Seal on both sides
Sealing type	Triple-lip
Relubrication feature	Without

Logistics

Product net weight	0.108 kg
eClass code	23-05-01-06
UNSPSC code	31171515

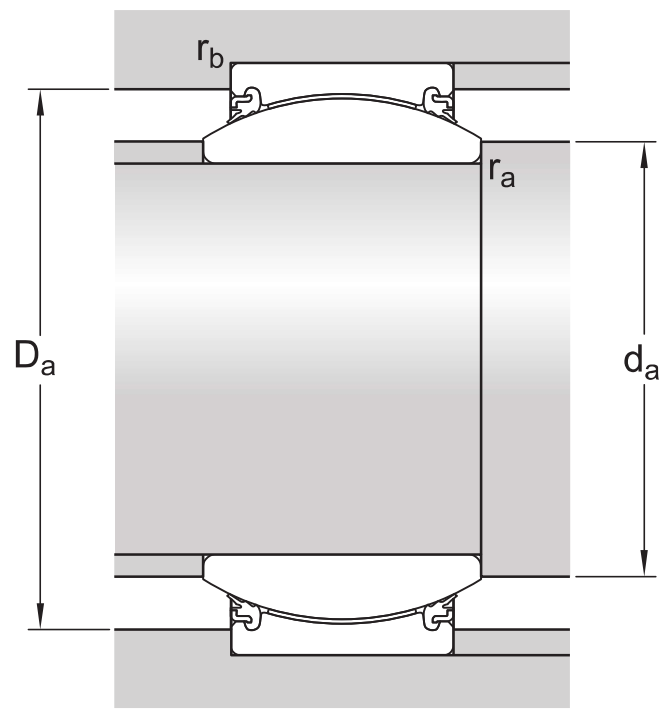
Technical specification

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	25 mm	Bore diameter
D	42 mm	Outside diameter
B	20 mm	Width
C	16 mm	Width outer ring
$\alpha$	7 °	Angle of tilt
$d_k$	35.5 mm	Raceway diameter inner ring
$r_1$	min. 0.6 mm	Chamfer dimension bore
$r_2$	min. 0.6 mm	Chamfer dimension outer ring



Abutment dimensions

$d_a$	min. 28.2 mm	Abutment diameter shaft
$d_a$	max. 29.3 mm	Abutment diameter shaft
$D_a$	min. 36.9 mm	Abutment diameter housing
$D_a$	max. 39.2 mm	Abutment diameter housing
$r_a$	max. 0.6 mm	Fillet radius shaft
$r_b$	max. 0.6 mm	Fillet radius housing

Calculation data

Basic dynamic load rating	C	137 kN
Basic static load rating	$C_0$	228 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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