

SI 45 TXE-2LSRod end



Rod end

SKF rod ends consist of an eye-shaped head with an integral shank that forms a housing for a spherical plain bearing. These rod ends are used in applications such as hydraulic cylinders, steering links, tie rods, or anywhere a precision articulation joint is required. SKF provides both rod ends that require maintenance and rod ends that are maintenance-free.

- Bearing housing combination for simple installation
- Various designs for individual assemblies
- Many sliding contact surface combinations
- Available with female or male left- or right-hand thread or with a welding shank

Overview

Dimensions

Bore diameter, bearing inner ring	45 mm
Outside diameter, housing eye	104 mm
Width, bearing inner ring	32 mm
Thread designation	M 45x3
Width, housing eye	28 mm
Centre height, housing (from end of shank)	165 mm
Housing length, total	219 mm

Performance

Basic dynamic load rating	360 kN
Basic static load rating	224 kN

Properties

Sliding contact surface combination	Steel/PTFE fabric
Material, housing	Steel
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Maintenance	Maintenance-free
Attachment feature, rod end shank	Right-hand female thread
Sealing	Seal on both sides
Sealing type	Triple-lip

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
Attachment feature, rod end shank	Right-hand female thread

Dimensions



d	45 mm	Bore diameter
d ₂	max. 104 mm	Diameter head
B	32 mm	Width inner ring
G	M 45x3	Thread
C ₁	max. 28 mm	Width head
h ₁	165 mm	Height shank end face - centre rod end eye
α	7 °	Angle of tilt
d _k	60 mm	Raceway diameter inner ring
d ₄	≈ 65 mm	Diameter shank
l ₃	min. 65 mm	Length thread
l ₄	max. 219 mm	Length (height) housing
l ₅	≈ 30 mm	Length wrench flat
l ₇	min. 55 mm	Distance shank chamfer - centre rod end eye
w	55 mm	Size wrench
r ₁	min. 0.6 mm	Chamfer dimension bore

Calculation data

Basic dynamic load rating	C	360 kN
Basic static load rating	C ₀	224 kN
Specific dynamic load factor	K	300 N/mm ²

Mass

Mass rod end	3.2 kg
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