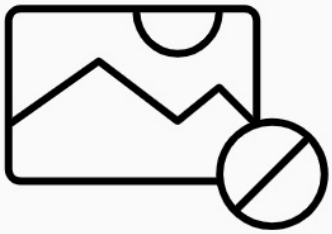
SALA 80 ES-2RSRod end



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	80 mm
Outside diameter, housing eye	182 mm
Width, bearing inner ring	55 mm
Thread designation	M 64x4
Width, housing eye	48 mm
Centre height, housing (from end of shank)	270 mm
Housing length, total	364 mm

Performance

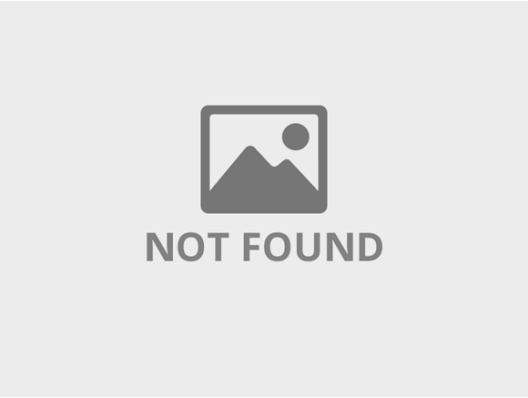
Basic dynamic load rating	400 kN
Basic static load rating	585 kN

Properties

Sliding contact surface combination	Steel/steel, standard
Material, housing	Steel
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Maintenance	Relubrication required
Attachment feature, rod end shank	Left-hand male thread
Sealing	Seal on both sides
Sealing type	Double-lip

Technical Specification

Maintenance	Relubrication required
Sliding contact surface combination	Steel/steel, standard
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Sealing	Seal on both sides
Sealing type	Double-lip
Attachment feature, rod end shank	Left-hand male thread



Dimensions

d	80 mm	Bore diameter
d_2	max. 182 mm	Diameter head
B	55 mm	Width inner ring
G	M 64x4	Thread
C_1	max. 48 mm	Width head
h	270 mm	Height shank end face - centre rod end eye
α	5 °	Angle of tilt
d_k	105 mm	Raceway diameter inner ring
l_1	min. 140 mm	Length threat
l_2	max. 364 mm	Length (height) housing
l_7	min. 98 mm	Distance shank chamfer - centre rod end eye
r_1	min. 1 mm	Chamfer dimension bore

Calculation data

Basic dynamic load rating	C	400 kN

Basic static load rating	C_0	585 kN
Specific dynamic load factor	K	100 N/mm²
Material constant	K_M	330

Mass

Mass rod end	12 kg

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