

29430 E

- Popular item
- SKF Explorer

Spherical roller thrust bearings

Bearing data

[Tolerances,](#)

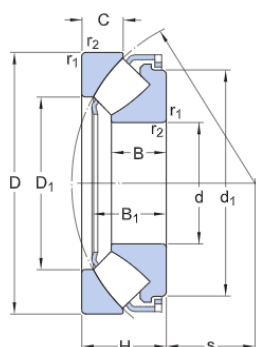
table

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

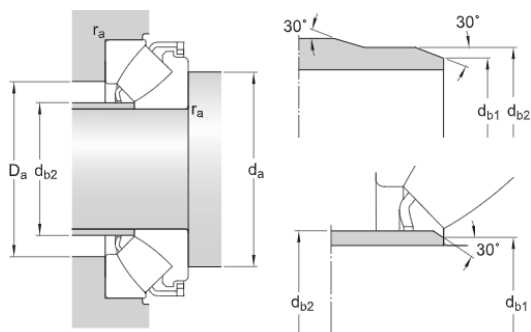


DIMENSIONS

d	150 mm	Bore diameter
D	300 mm	Outside diameter
H	90 mm	Nominal Height
d ₁	≈ 262 mm	Outside diameter of shaft washer end side face
D ₁	≈ 208 mm	Shoulder diameter outer ring
B	58 mm	Width shaft washer or length of shaft washer bore diameter that fits on shaft (bearings with a stamped steel cage)
B ₁	80.8 mm	Height shaft washer + cage
C	43.4 mm	Height housing washer
s	92 mm	Distance from shaft washer end side face to pressure point
r ₁	min. 4 mm	Chamfer dimension shaft washer

ABUTMENT DIMENSIONS

d min. 220	Abutment diameter shaft
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mm	
d max. 163 mm	Abutment diameter spacer ring (E design bearings)
d max. 175 mm	Abutment diameter spacer ring (E design bearings)
C max. 253 mm	Abutment diameter housing
r _i max. 3 mm	Fillet radius

CALCULATION DATA

Basic dynamic load rating	C	1 860 kN
Basic static load rating	C ₀	5 100 kN
Fatigue load limit	P _u	520 kN
Reference speed		1 200 r/min
Limiting speed		2 200 r/min
Minimum axial load factor	A	2.5

MASS

Mass bearing	28 kg
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More information

Product details	Engineering information	Tools
Designs and variants	Principles of rolling bearing selection	SimPro Quick
Bearing data	General bearing knowledge	Bearing Select
Loads	Bearing selection process	Engineering Calculator
Temperature limits	Bearing failure and how to prevent it	LubeSelect for SKF greases
Permissible speed		Heater selection tool
Design considerations		
Lubrication		
Mounting		
Designation system		

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