

29416 E

- Popular item
- SKF Explorer

Spherical roller thrust bearings

Bearing data

[Tolerances,](#)

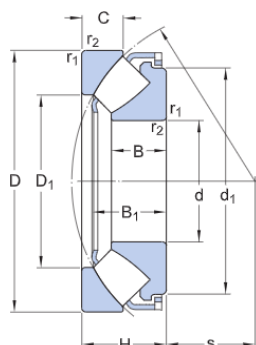
table

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

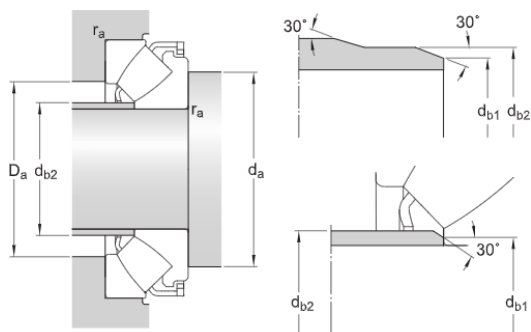
Technical specification



DIMENSIONS

d	80 mm	Bore diameter
D	170 mm	Outside diameter
H	54 mm	Nominal Height
d1	≈147 mm	Outside diameter of shaft washer end side face
D1	≈113 mm	Shoulder diameter outer ring
B	35 mm	Width shaft washer or length of shaft washer bore diameter that fits on shaft (bearings with a stamped steel cage)
B ₁	48.1 mm	Height shaft washer + cage
C	26.5 mm	Height housing washer
s	50 mm	Distance from shaft washer end side face to pressure point
r _{1,2}	min.2.1 mm	Chamfer dimension shaft washer

ABUTMENT DIMENSIONS



da	min.120 mm	Abutment diameter shaft
db1	max.88 mm	Abutment diameter spacer ring (E design bearings)
db2	max.88 mm	Abutment diameter spacer ring (E design bearings)
Da	max.141 mm	Abutment diameter housing
ra	max.2 mm	Fillet radius

CALCULATION DATA

Basic dynamic load rating	C	670 kN
Basic static load rating	C ₀	1 630 kN
Fatigue load limit	P _u	193 kN
Reference speed		2 200 r/min
Limiting speed		3 800 r/min
Minimum axial load factor	A	0.25

MASS

Mass bearing	5.6 kg
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