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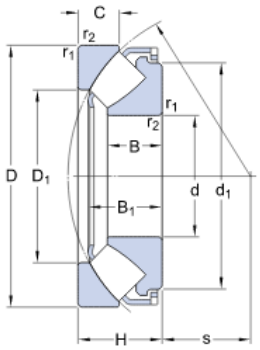
Popular item
SKF Explorer

Spherical roller thrust bearings

Bearing data
Tolerances,
table

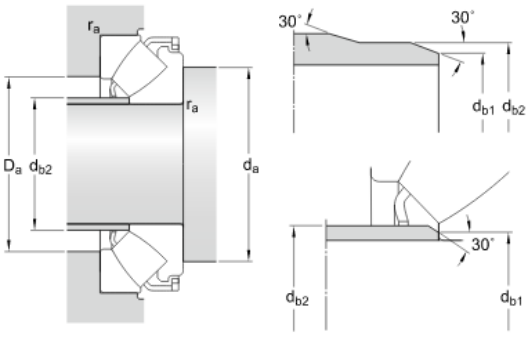
Bearing interfaces
Seat tolerances for standard conditions,
Tolerances and resultant fit

Technical specification



DIMENSIONS

d	170 mm
D	280 mm
H	67 mm
d_1	≈ 251 mm
D_1	≈ 215 mm
B	42.2 mm
B_1	61.1 mm
C	30.5 mm
s	96 mm
$r_{1,2}$	min. 3 mm



ABUTMENT DIMENSIONS

d_a	min. 220 mm
d_{b1}	max. 178 mm
d_{b2}	max. 188 mm
D_a	max. 245 mm
r_a	max. 2.5 mm

CALCULATION DATA

Basic dynamic load rating	C	1200 kN
Basic static load rating	C_0	3550 kN
Fatigue load limit	P_u	365 kN
Reference speed		1300 r/min
Limiting speed		2200 r/min
Minimum axial load factor	A	1.2

MASS

Mass bearing	15 kg

More information

Product details

- Designs and variants
- Bearing data
- Loads
- Temperature limits
- Permissible speed
- Design considerations
- Lubrication
- Mounting
- Designation system

Engineering information

- Principles of rolling bearing selection
- General bearing knowledge
- Bearing selection process
- Bearing failure and how to prevent it

Tools

- SimPro Quick
- Bearing Select
- Engineering Calculator
- LubeSelect for SKF greases
- Heater selection tool

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