



6305

- Popular item
- SKF Explorer

Deep groove ball bearings

Bearing data

[Tolerances](#),

Normal (metric), P6, P5, Normal (inch),

[Radial internal clearance](#),

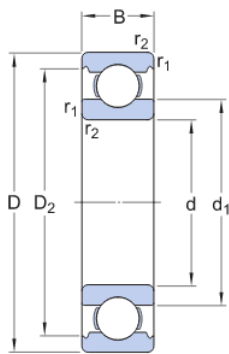
Classes C2 to C5

Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fits](#)

Technical specification

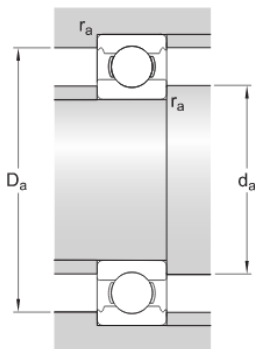


DIMENSIONS

d	25 mm	Bore diameter
D	62 mm	Outside diameter
B	17 mm	Width
d ₁	≈ 36.6 mm	Shoulder diameter
D ₂	≈ 52.7 mm	Recess diameter
r _{1,2}	min. 1.1 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d _a	min.32 mm	Diameter of shaft abutment
D _a	max.55 mm	Diameter of housing abutment
r _a	max.1 mm	Radius of shaft or housing fillet



CALCULATION DATA

Basic dynamic load rating	C	23.4 kN
Basic static load rating	C ₀	11.6 kN
Fatigue load limit	P _u	0.49 kN
Reference speed		24 000 r/min
Limiting speed		16 000 r/min
Minimum load factor	k _r	0.03
Calculation factor	f ₀	12

MASS

Mass bearing	0.23 kg
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TOLERANCE CLASS

Dimensional tolerances	P6
Radial run-out	P6

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