



22219 E

- Popular item
- SKF Explorer

Spherical roller bearings

Bearing data

[Tolerances,](#)

Normal, P6, P5, tapered bore 1:12,
tapered bore 1:30,

[Radial internal clearance,](#)

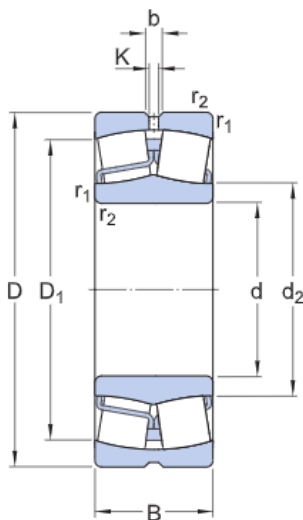
cylindrical bore, tapered bore

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

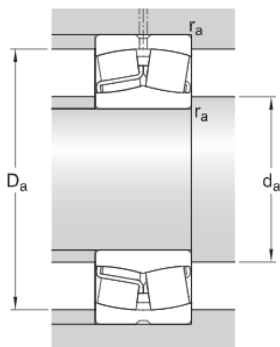


DIMENSIONS

d	95 mm	Bore diameter
D	170 mm	Outside diameter
B	43 mm	Width
d2	≈112 mm	Shoulder diameter of inner ring
D1	≈150 mm	Shoulder/recess diameter of outer ring
b	8.3 mm	Width of lubrication groove
K	4.5 mm	Diameter of lubrication hole
r1,2	min.2.1 mm	Chamfer dimension

ABUTMENT DIMENSIONS

da	min.107 mm	Diameter of shaft abutment
Da	max.158 mm	Diameter of housing abutment
ra	max.2 mm	Radius of fillet



CALCULATION DATA

Basic dynamic load rating	C	393 kN
Basic static load rating	C ₀	450 kN
Fatigue load limit	P _u	45.5 kN
Reference speed		3 600 r/min
Limiting speed		4 800 r/min
Limiting value	e	0.24
Axial load factor	Y ₁	2.8
Axial load factor	Y ₂	4.2
Axial load factor	Y ₀	2.8

MASS

Mass	4.15 kg
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