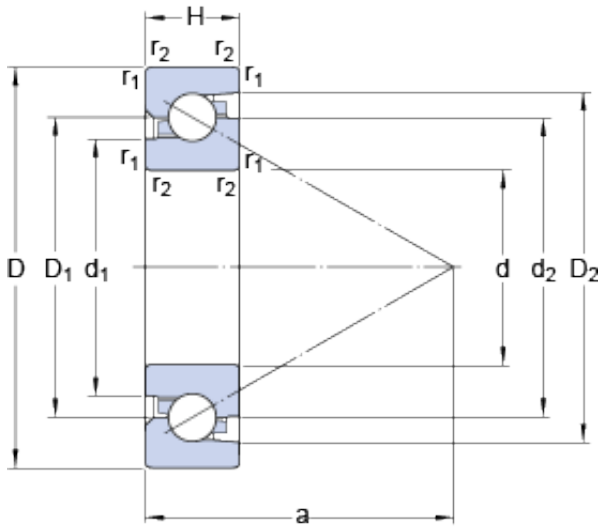




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BSA 209 C Bearing 2D drawings and 3D CAD models

SKF BSA 209 C thrust ball bearings

Bearing No. BSA 209 C

Size	45x85x18 mm
Bore Diameter	45 mm
Outer Diameter	85 mm
Width	18 mm
d	45 mm
D	85 mm
H	18 mm
d ₁	59.4 mm
d ₂	67 mm
D ₁	67.1 mm
D ₂	75.44 mm
r _{1,2} - min.	1.1 mm
a	73 mm
d _a - min.	53 mm
d _b - min.	53 mm
D _a - max.	79.5 mm
D _b - max.	79.5 mm
r _a - max.	1 mm
Basic dynamic load rating - C	45 kN
Basic static load rating - C ₀	134 kN
Fatigue load limit - P _u	4.9 kN
Limiting speed for grease lubrication	6300 r/min
Limiting speed for oil lubrication	7500 mm/min



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Preload class A	3750 N
Preload class B	7500 N
Frictional moment, Preload class A	0.5 N · m
Frictional moment, Preload class B	0.52 N · m
Static Axial rigidity, Preload class A	1290 N/micron
Static Axial rigidity, Preload class B	1640 N/micron
Max. axial load - F_a	max. 40.2 kN
G_{ref}	4.5 cm ³
d_1	59.4 mm
d_2	67 mm
D_1	67.1 mm
D_2	75.44 mm
$r_{1,2}$ min.	1.1 mm
d_a min.	53 mm
d_b min.	53 mm
D_a max.	79.5 mm
D_b max.	79.5 mm
r_a max.	1 mm
Basic dynamic load rating C	45 kN
Basic static load rating C_0	134 kN
Fatigue load limit P_u	4.9 kN
Attainable speed for grease lubrication	6300 r/min
Attainable speed for oil-air lubrication	7500 r/min
Frictional moment, preload class A	0.5 N · m
Frictional moment, preload class B	0.52 N · m
Static axial stiffness, preload A	1290 N/ μ m



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Static axial stiffness, preload B	1640 N/ μ m
Maximum axial load carrying capacity F_a max.	40.2 kN
Reference grease quantity G_{ref}	4.5 cm ³
Mass bearing	0.51 kg