



BSA 207 C Bearing 2D drawings and 3D CAD models

SKF BSA 207 C thrust ball bearings

Bearing No. BSA 207 C

Size	35x72x17 mm
Bore Diameter	35 mm
Outer Diameter	72 mm
Width	17 mm
d	35 mm
D	72 mm
H	17 mm
d ₁	48.69 mm
d ₂	55 mm
D ₁	55.1 mm
D ₂	62.68 mm
r _{1,2} - min.	1.1 mm
a	60 mm
d _a - min.	44 mm
d _b - min.	44 mm
D _a - max.	66 mm
D _b - max.	64.8 mm
r _a - max.	1 mm
Basic dynamic load rating - C	36.5 kN
Basic static load rating - C ₀	98 kN
Fatigue load limit - P _u	3.6 kN
Limiting speed for grease lubrication	7500 r/min
Limiting speed for oil lubrication	9000 mm/min



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Preload class A	2950 N
Preload class B	5900 N
Frictional moment, Preload class A	0.18 N · m
Frictional moment, Preload class B	0.32 N · m
Static Axial rigidity, Preload class A	1080 N/micron
Static Axial rigidity, Preload class B	1370 N/micron
Max. axial load - F_a	max. 29.6 kN
G_{ref}	3 cm ³
d_1	48.69 mm
d_2	55 mm
D_1	55.1 mm
D_2	62.68 mm
$r_{1,2}$ min.	1.1 mm
d_a min.	44 mm
d_b min.	44 mm
D_a max.	66 mm
D_b max.	64.8 mm
r_a max.	1 mm
Basic dynamic load rating C	36.5 kN
Basic static load rating C_0	98 kN
Fatigue load limit P_u	3.65 kN
Attainable speed for grease lubrication	7500 r/min
Attainable speed for oil-air lubrication	9000 r/min
Frictional moment, preload class A	0.18 N · m
Frictional moment, preload class B	0.32 N · m
Static axial stiffness, preload A	1080 N/ μ m



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Static axial stiffnes, preload B	1370 N/ μ m
Maximum axial load carrying capacity F_a max.	29.6 kN
Reference grease quantity G_{ref}	3 cm ³
Mass bearing	0.33 kg