



SKF BSA 204 C thrust ball bearings

Bearing No. BSA 204 C

BSA 204 C Bearing 2D drawings and 3D CAD models

Size	20x47x14 mm
Bore Diameter	20 mm
Outer Diameter	47 mm
Width	14 mm
d	20 mm
D	47 mm
H	14 mm
d ₁	29.42 mm
d ₂	34.5 mm
D ₁	29.1 mm
D ₂	40.65 mm
r _{1,2} - min.	1 mm
a	40 mm
d _a - min.	24 mm
d _b - min.	24 mm
D _a - max.	42 mm
D _b - max.	42 mm
r _a - max.	1 mm
Basic dynamic load rating - C	22 kN
Basic static load rating - C ₀	49 kN
Fatigue load limit - P _u	1.8 kN
Limiting speed for grease lubrication	9500 r/min
Limiting speed for oil lubrication	12000 mm/min



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Preload class A	1480 N
Preload class B	2960 N
Frictional moment, Preload class A	0.056 N · m
Frictional moment, Preload class B	0.091 N · m
Static Axial rigidity, Preload class A	680 N/micron
Static Axial rigidity, Preload class B	860 N/micron
Max. axial load - F_a	max. 14.5 kN
G_{ref}	1.2 cm ³
d_1	29.42 mm
d_2	34.5 mm
D_1	29.1 mm
D_2	40.65 mm
$r_{1,2}$ min.	1 mm
d_a min.	24 mm
d_b min.	24 mm
D_a max.	42 mm
D_b max.	42 mm
r_a max.	1 mm
Basic dynamic load rating C	22 kN
Basic static load rating C_0	49 kN
Fatigue load limit P_u	1.8 kN
Attainable speed for grease lubrication	9500 r/min
Attainable speed for oil-air lubrication	12000 r/min
Frictional moment, preload class A	0.056 N · m
Frictional moment, preload class B	0.091 N · m
Static axial stiffness, preload A	680 N/ μ m



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Static axial stiffnes, preload B	860 N/ μ m
Maximum axial load carrying capacity F_a max.	14.5 kN
Reference grease quantity G_{ref}	1.2 cm ³
Mass bearing	0.12 kg