



SKF BSA 203 C thrust ball bearings

Bearing No. BSA 203 C

BSA 203 C Bearing 2D drawings and 3D CAD models

Size	17x40x12 mm
Bore Diameter	17 mm
Outer Diameter	40 mm
Width	12 mm
d	17 mm
D	40 mm
H	12 mm
d ₁	24.17 mm
d ₂	29 mm
D ₁	29.1 mm
D ₂	34.38 mm
r _{1,2} - min.	0.6 mm
a	33 mm
d _a - min.	23 mm
d _b - min.	23 mm
D _a - max.	37 mm
D _b - max.	37 mm
r _a - max.	0.6 mm
Basic dynamic load rating - C	16.6 kN
Basic static load rating - C ₀	34.5 kN
Fatigue load limit - P _u	1.3 kN
Limiting speed for grease lubrication	11000 r/min
Limiting speed for oil lubrication	15000 mm/min



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Preload class A	1040 N
Preload class B	2080 N
Frictional moment, Preload class A	0.04 N · m
Frictional moment, Preload class B	0.072 N · m
Static Axial rigidity, Preload class A	550 N/micron
Static Axial rigidity, Preload class B	700 N/micron
Max. axial load - F_a	max. 10.3 kN
G_{ref}	0.5 cm ³
d_1	24.17 mm
d_2	29 mm
D_1	29.1 mm
D_2	34.38 mm
$r_{1,2}$ min.	0.6 mm
d_a min.	23 mm
d_b min.	23 mm
D_a max.	37 mm
D_b max.	37 mm
r_a max.	0.6 mm
Basic dynamic load rating C	16.6 kN
Basic static load rating C_0	34.5 kN
Fatigue load limit P_u	1.27 kN
Attainable speed for grease lubrication	11000 r/min
Attainable speed for oil-air lubrication	15000 r/min
Frictional moment, preload class A	0.04 N · m
Frictional moment, preload class B	0.072 N · m
Static axial stiffness, preload A	550 N/ μ m



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Static axial stiffness, preload B	700 N/ μ m
Maximum axial load carrying capacity F_a max.	10.3 kN
Reference grease quantity G_{ref}	0.5 cm ³
Mass bearing	0.078 kg