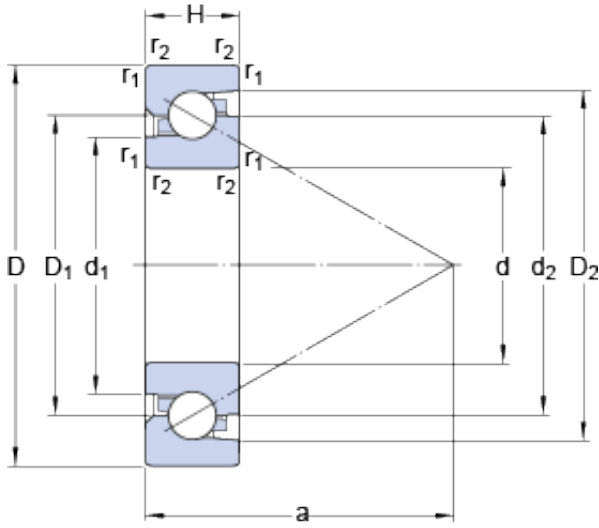




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SKF BSD 60120 C Matched Angular Contact Ball Bearings

Bearing No. BSD 60120 C

BSD 60120 C Bearing 2D drawings and 3D CAD models

Size	60x120x20 mm
Bore Diameter	60 mm
Outer Diameter	120 mm
Width	20 mm
d	60 mm
D	120 mm
H	20 mm
d ₁	80.9 mm
d ₂	91 mm
D ₁	91.1 mm
D ₂	101.74 mm
r _{1,2} - min.	1.5 mm
a	96 mm
d _a - min.	73 mm
d _b - min.	73 mm
D _a - max.	111 mm
D _b - max.	111 mm
r _a - max.	1.5 mm
Basic dynamic load rating - C	69.5 kN
Basic static load rating - C ₀	228 kN
Fatigue load limit - P _u	8.5 kN
Limiting speed for grease lubrication	5000 r/min
Limiting speed for oil	6000 mm/min



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Lubrication	
Preload class A	7300 N
Preload class B	14600 N
Frictional moment, Preload class A	0.72 N · m
Frictional moment, Preload class B	1.26 N · m
Static Axial rigidity, Preload class A	1800 N/micron
Static Axial rigidity, Preload class B	2300 N/micron
Max. axial load - F_a	max. 130 kN
G_{ref}	7.5 cm ³
d_1	80.9 mm
d_2	91 mm
D_1	91.1 mm
D_2	101.74 mm
$r_{1,2}$ min.	1.5 mm
d_a min.	73 mm
d_b min.	73 mm
D_a max.	111 mm
D_b max.	111 mm
r_a max.	1.5 mm
Basic dynamic load rating C	69.5 kN
Basic static load rating C_0	228 kN
Fatigue load limit P_u	8.5 kN
Attainable speed for grease lubrication	5000 r/min
Attainable speed for oil-air lubrication	6000 r/min
Frictional moment, preload class A	0.72 N · m
Frictional moment, preload class B	1.26 N · m



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Static axial stiffness, preload A	1800 N/ μ m
Static axial stiffness, preload B	2300 N/ μ m
Maximum axial load carrying capacity F_a max.	130 kN
Reference grease quantity G_{ref}	7.5 cm ³
Mass bearing	1.07 kg