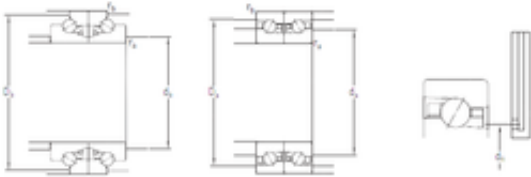


65 mm x 100 mm x 16,5 mm skf BTM 65
ATN9/HCP4CDB Angular contact thrust ball
bearings, double direction, super-precision

Bearing No. BTM 65 ATN9/HCP4CDB



BTM 65 ATN9/HCP4CDB Bearing 2D drawings and 3D
CAD models

Size	65x100x16.5 mm
Bore Diameter	65 mm
Outer Diameter	100 mm
Width	16,5 mm
d	65 mm
D	100 mm
B	16,5 mm
C	16,5 mm
d1	80,9 mm
r1 min.	1,1 mm
r2 min.	1,1 mm
r3 min.	0,6 mm
r4 min.	0,6 mm
D1	86,5 mm
H	33 mm
da min.	71 mm
Da max.	96,8 mm
ra max.	1 mm
rb max.	0,6 mm
dh	79 mm
Weight	0,85 Kg
Basic dynamic load rating (C)	22 kN
Basic static load rating (C0)	47,5 kN
(Grease) Lubrication Speed	11 900 r/min



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(Oil) Lubrication Speed	14 200 r/min
d_1	80.9 mm
D_1	91.1 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	71 mm
D_a max.	96.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
d_n	78.8 mm
Basic dynamic load rating C	22 kN
Basic static load rating C_0	47.5 kN
Fatigue load limit P_u	2 kN
Attainable speed for grease lubrication	11900 r/min
Attainable speed for oil-air lubrication	14200 r/min
Preload class A	200 N
Preload class B	600 N
Static axial stiffness for preload A	229 N/ μ m
Static axial stiffness for preload B	347 N/ μ m
Reference grease quantity G_{ref}	8.4 cm ³
Mass bearing	0.85 kg