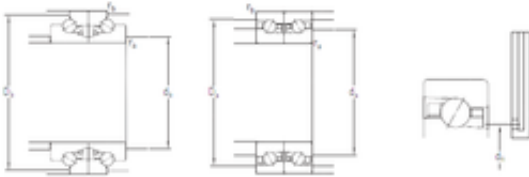


100 mm x 150 mm x 22,5 mm skf BTM 100
BTN9/P4CDB Angular contact thrust ball
bearings, double direction, super-precision

Bearing No. BTM 100 BTN9/P4CDB



BTM 100 BTN9/P4CDB Bearing 2D drawings and 3D
CAD models

Size	100x150x22.5 mm
Bore Diameter	100 mm
Outer Diameter	150 mm
Width	22,5 mm
d	100 mm
D	150 mm
B	22,5 mm
C	22,5 mm
d1	123 mm
r1 min.	1,5 mm
r2 min.	1,5 mm
r3 min.	1 mm
r4 min.	1 mm
D1	130,6 mm
H	45 mm
da min.	107 mm
Da max.	145 mm
ra max.	1,5 mm
rb max.	1 mm
dh	120 mm
Weight	2,65 Kg
Basic dynamic load rating (C)	48 kN
Basic static load rating (C0)	116 kN
(Grease) Lubrication Speed	5 600 r/min



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(Oil) Lubrication Speed	7 100 r/min
d_1	123 mm
D_1	137.1 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1 mm
d_a min.	107 mm
D_a max.	145 mm
r_a max.	1.5 mm
r_b max.	1 mm
d_n	119.7 mm
Basic dynamic load rating C	48 kN
Basic static load rating C_0	116 kN
Fatigue load limit P_u	4.3 kN
Attainable speed for grease lubrication	5600 r/min
Attainable speed for oil-air lubrication	7100 r/min
Preload class A	550 N
Preload class B	1650 N
Static axial stiffness for preload A	534 N/ μ m
Static axial stiffness for preload B	809 N/ μ m
Reference grease quantity G_{ref}	22 cm ³
Mass bearing	2.65 kg