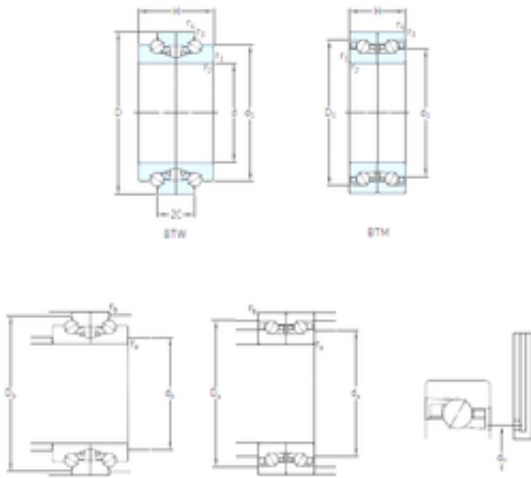




SUPER PRECISION BEARINGS MANUFACTURER

SKF BTM 100 ATN9/HCP4CDB Precision Bearings

Bearing No. BTM 100 ATN9/HCP4CDB



BTM 100 ATN9/HCP4CDB 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	2,5 Kg
Basic dynamic load rating (C)	41,5 kN
Basic static load rating (C0)	102 kN
(Grease) Lubrication Speed	7 900 r/min
(Oil) Lubrication Speed	9 400 r/min



SUPER PRECISION BEARINGS MANUFACTURER

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	41.5 kN
Basic static load rating C_0	102 kN
Fatigue load limit P_u	3.8 kN
Attainable speed for grease lubrication	7900 r/min
Attainable speed for oil-air lubrication	9400 r/min
Preload class A	400 N
Preload class B	1200 N
Static axial stiffness for preload A	350 N/ μ m
Static axial stiffness for preload B	529 N/ μ m
Reference grease quantity G_{ref}	22 cm ³
Mass bearing	2.5 kg