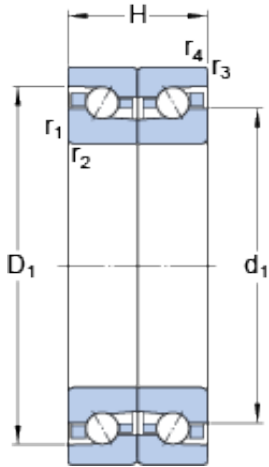




BEARING CORP.OF AMERICA



BTM 80 ATN9/HCP4CDB Bearing 2D drawings and 3D CAD models

SKF BTM 80 ATN9/HCP4CDB thrust ball bearings

Bearing No. BTM 80 ATN9/HCP4CDB

Size	80x125x40.5 mm
Bore Diameter	80 mm
Outer Diameter	125 mm
Width	40,5 mm
d	80 mm
D	125 mm
H	40.5 mm
d ₁	100.8 mm
D ₁	113.7 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
d _a - min.	86 mm
D _a - max.	121 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
d _n	97.9 mm
Basic dynamic load rating - C	33.5 kN
Basic static load rating - C ₀	73.5 kN
Fatigue load limit - P _u	3.1 kN
Limiting speed for grease lubrication	9600 r/min
Limiting speed for oil lubrication	11500 mm/min
Preload class A	300 N
Preload class B	900 N



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Static Axial rigidity, Preload class A	280 N/micron
Static Axial rigidity, Preload class B	422 N/micron
G_{ref}	16 cm
d_1	100.8 mm
D_1	113.7 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	86 mm
D_a max.	121 mm
r_a max.	1 mm
r_b max.	0.6 mm
d_n	97.9 mm
Basic dynamic load rating C	33.5 kN
Basic static load rating C_0	73.5 kN
Fatigue load limit P_u	3.1 kN
Attainable speed for grease lubrication	9600 r/min
Attainable speed for oil-air lubrication	11500 r/min
Static axial stiffnes for preload A	280 N/ μ m
Static axial stiffnes for preload B	422 N/ μ m
Reference grease quantity G_{ref}	16 cm ³
Mass bearing	1.65 kg