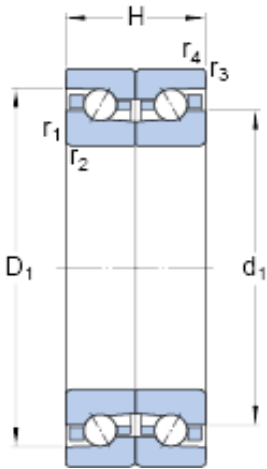




BEARING PRECISION AXLE CORP.



BTM 85 BTN9/HCP4CDB Bearing 2D drawings and 3D CAD models

SKF BTM 85 BTN9/HCP4CDB thrust ball bearings

Bearing No. BTM 85 BTN9/HCP4CDB

Size	85x130x40.5 mm
Bore Diameter	85 mm
Outer Diameter	130 mm
Width	40,5 mm
d	85 mm
D	130 mm
H	40.5 mm
d ₁	105.8 mm
D ₁	118.7 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
d _a - min.	91 mm
D _a - max.	126 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
d _n	102.9 mm
Basic dynamic load rating - C	40 kN
Basic static load rating - C ₀	88 kN
Fatigue load limit - P _u	3.6 kN
Limiting speed for grease lubrication	8000 r/min
Limiting speed for oil lubrication	9500 mm/min
Preload class A	400 N
Preload class B	1200 N



BEARING PRECISION AXLE CORP.

Static Axial rigidity, Preload class A	483 N/micron
Static Axial rigidity, Preload class B	728 N/micron
G_{ref}	16.8 cm
d_1	105.8 mm
D_1	118.7 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	91 mm
D_a max.	126 mm
r_a max.	1 mm
r_b max.	0.6 mm
d_n	102.9 mm
Basic dynamic load rating C	40 kN
Basic static load rating C_0	88 kN
Fatigue load limit P_u	3.6 kN
Attainable speed for grease lubrication	8000 r/min
Attainable speed for oil-air lubrication	9500 r/min
Static axial stiffness for preload A	483 N/ μ m
Static axial stiffness for preload B	728 N/ μ m
Reference grease quantity G_{ref}	16.8 cm ³
Mass bearing	1.7 kg