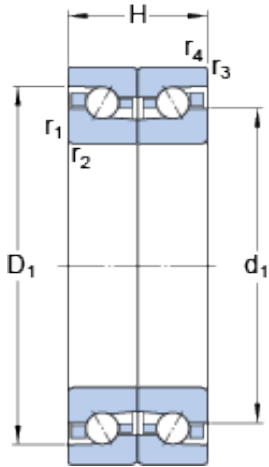




# NTN DRIVESHAFT ANDERSON, INC.



## SKF BTM 140 BM/P4CDB thrust ball bearings

Bearing No. BTM 140 BM/P4CDB

Size	140x210x63 mm
Bore Diameter	140 mm
Outer Diameter	210 mm
Width	63 mm
d	140 mm
D	210 mm
H	63 mm
d <sub>1</sub>	172.6 mm
D <sub>1</sub>	192.1 mm
r <sub>1,2</sub> - min.	2.1 mm
r <sub>3,4</sub> - min.	1 mm
d <sub>a</sub> - min.	151 mm
D <sub>a</sub> - max.	205 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
d <sub>n</sub>	168.3 mm
Basic dynamic load rating - C	86.5 kN
Basic static load rating - C <sub>0</sub>	216 kN
Fatigue load limit - P <sub>u</sub>	7 kN
Limiting speed for grease lubrication	3900 r/min
Limiting speed for oil lubrication	5100 mm/min
Preload class A	1050 N
Preload class B	3150 N

BTM 140 BM/P4CDB Bearing 2D drawings and 3D CAD models



## NTN DRIVESHAFT ANDERSON, INC.

Static Axial rigidity, Preload class A	739 N/micron
Static Axial rigidity, Preload class B	1113 N/micron
$G_{ref}$	62 cm
$d_1$	172.6 mm
$D_1$	192.1 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1 mm
$d_a$ min.	151 mm
$D_a$ max.	205 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
$d_n$	168.3 mm
Basic dynamic load rating C	86.5 kN
Basic static load rating $C_0$	216 kN
Fatigue load limit $P_u$	6.95 kN
Attainable speed for grease lubrication	3900 r/min
Attainable speed for oil-air lubrication	5100 r/min
Static axial stiffness for preload A	739 N/ $\mu$ m
Static axial stiffness for preload B	1113 N/ $\mu$ m
Reference grease quantity $G_{ref}$	62 cm <sup>3</sup>
Mass bearing	7.85 kg