



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

140 mm x 210 mm x 31,5 mm SKF BTM 140 AM/P4CDB angular contact ball bearings

Bearing No. BTM 140 AM/P4CDB

Size	140x210x31.5 mm
Bore Diameter	140 mm
Outer Diameter	210 mm
Width	31,5 mm
d	140 mm
D	210 mm
B	31,5 mm
C	31,5 mm
d1	172,6 mm
r1 min.	2,1 mm
r2 min.	2,1 mm
r3 min.	1 mm
r4 min.	1 mm
D1	183,3 mm
H	63 mm
da min.	151 mm
Da max.	205 mm
ra max.	2 mm
rb max.	1 mm
dh	168 mm
Weight	7,85 Kg
Basic dynamic load rating (C)	73,5 kN
Basic static load rating (C0)	190 kN
(Grease) Lubrication Speed	4 400 r/min
(Oil) Lubrication Speed	5 700 r/min

$d_1$	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	73.5 kN
Basic static load rating $C_0$	190 kN
Fatigue load limit $P_u$	6.1 kN
Attainable speed for grease lubrication	4400 r/min
Attainable speed for oil-air lubrication	5700 r/min
Preload class A	800 N
Preload class B	2400 N
Static axial stiffness for preload A	440 N/ $\mu$ m
Static axial stiffness for preload B	667 N/ $\mu$ m
Reference grease quantity $G_{ref}$	62 cm <sup>3</sup>
Mass bearing	7.85 kg