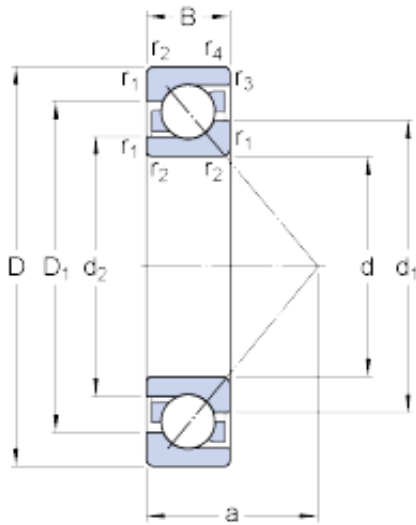




## BEARING PRECISION AXLE CORP.



7340 BCBM Bearing 2D drawings and 3D CAD models

200 mm x 420 mm x 80 mm SKF 7340 BCBM  
angular contact ball bearings

Bearing No. 7340 BCBM

Size	420x200x80 mm
Bore Diameter	420 mm
Outer Diameter	200 mm
Width	80 mm
d	200 mm
D	420 mm
B	80 mm
d <sub>1</sub>	286.8 mm
d <sub>2</sub>	247.1 mm
D <sub>1</sub>	339.45 mm
a	170 mm
r <sub>1,2</sub> - min.	5 mm
r <sub>3,4</sub> - min.	2 mm
d <sub>a</sub> - min.	220 mm
D <sub>a</sub> - max.	400 mm
D <sub>b</sub> - max.	410 mm
r <sub>a</sub> - max.	4 mm
r <sub>b</sub> - max.	2 mm
Basic dynamic load rating - C	462 kN
Basic static load rating - C <sub>0</sub>	655 kN
Fatigue load limit - P <sub>u</sub>	15.6 kN
Reference speed	1800 r/min
Limiting speed	1800 r/min
Calculation factor - k <sub>r</sub>	0.09



## BEARING PRECISION AXLE CORP.

Calculation factor - $k_a$	1.4
Calculation factor - e	1.14
Calculation factor - X	0.57
Calculation factor - $Y_0$	0.52
Calculation factor - $Y_1$	0.55
Calculation factor - $Y_2$	0.93
Calculation factor - X	0.35
Calculation factor - $Y_0$	0.26
Calculation factor - $Y_1$	
Calculation factor - $Y_2$	0.57
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	57.85
EAN	7316571150147
Product Group	B00308
Enclosure	Open
Flush Ground	Yes
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Brass
Contact Angle	40 Degree
Internal Clearance	CB
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric



## BEARING PRECISION AXLE CORP.

Long Description	200MM Bore; 420MM Outside Diameter; 80MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; CB; Brass Cage; 40 Degree; 1 (Single); Univer
Other Features	Normal Axial Internal Clearance
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	7340 BCBM
Bore	7.874 Inch   200 Millimeter
Outside Diameter	16.535 Inch   420 Millimeter
Width	3.15 Inch   80 Millimeter
bore diameter:	200 mm
maximum temperature:	257 ° F
outside diameter:	420 mm
cage material:	Brass
overall width:	80 mm
maximum rpm:	2200 rpm
contact angle:	40 °
finish/coating:	Uncoated
row type & fill slot:	Single-Row Non-Fill Slot
fillet radius:	5 mm
bore type:	Round
series:	7300
closure type:	Open
weight:	117 lbs



## BEARING PRECISION AXLE CORP.

bearing material:	Steel
manufacturer product page:	<a href="#">Click here</a>
radial dynamic load capacity:	462 kN
manufacturer upc number:	7316571150147
radial static load capacity:	655 kN
$d_1$	286.8 mm
$d_2$	247.1 mm
$D_1$	339.45 mm
$r_{1,2}$ min.	5 mm
$r_{3,4}$ min.	2 mm
$d_a$ min.	220 mm
$D_a$ max.	400 mm
$D_b$ max.	410 mm
$r_a$ max.	4 mm
$r_b$ max.	2 mm
Basic dynamic load rating C	462 kN
Basic static load rating $C_0$	655 kN
Fatigue load limit $P_u$	15.6 kN
Calculation factor A	7.5
Calculation factor $k_r$	0.09
Calculation factor e	1.14
Calculation factor X	0.35
Calculation factor $Y_0$	0.26
Calculation factor $Y_2$	0.57
Calculation factor X	0.57
Calculation factor $Y_0$	0.52
Calculation factor $Y_1$	0.55
Calculation factor $Y_2$	0.93
Mass bearing	53 kg