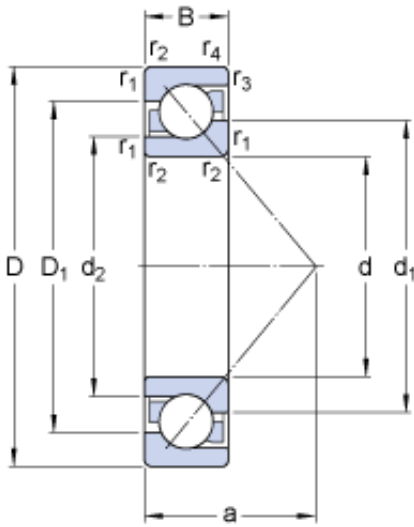




# SNR BEARING CORP.OF AMERICA



120 mm x 215 mm x 40 mm skf 7224 BGAM  
Single row angular contact ball bearings

Bearing No. 7224 BGAM

7224 BGAM Bearing 2D drawings and 3D CAD models

Size	215x120x40 mm
Bore Diameter	120 mm
Outer Diameter	215 mm
Width	40 mm
d	120 mm
D	215 mm
B	40 mm
d <sub>1</sub>	157 mm
d <sub>2</sub>	138.6 mm
D <sub>1</sub>	179.4 mm
a	90 mm
r <sub>1,2</sub> - min.	2.1 mm
r <sub>3,4</sub> - min.	1.1 mm
d <sub>a</sub> - min.	132 mm
D <sub>a</sub> - max.	203 mm
D <sub>b</sub> - max.	208 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
Basic dynamic load rating - C	165 kN
Basic static load rating - C <sub>0</sub>	163 kN
Fatigue load limit - P <sub>u</sub>	5.3 kN
Reference speed	3400 r/min
Limiting speed	3600 r/min
Calculation factor - k <sub>r</sub>	0.08



## SNR BEARING CORP.OF AMERICA

Calculation factor - $k_a$	1.2
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	5.9
Product Group	B00308
Enclosure	Open
Flush Ground	Yes
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 3   ISO P6
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Brass
Contact Angle	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Preload	Light
Mounting Arrangement	Universal
Inch - Metric	Metric



## SNR BEARING CORP.OF AMERICA

Long Description	120MM Bore; 215MM Outside Diameter; 40MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap Ring
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	7224 BGAM
Weight / LBS	12.991
Bore	4.724 Inch   120 Millimeter
Outside Diameter	8.465 Inch   215 Millimeter
Width	1.575 Inch   40 Millimeter
bore diameter:	120 mm
maximum temperature:	257 ° F
outside diameter:	215 mm
cage material:	Brass
overall width:	40 mm
maximum rpm:	2600 rpm
contact angle:	40 °
finish/coating:	Uncoated
row type & fill slot:	Single-Row Non-Fill Slot
fillet radius:	2.1 mm
bore type:	Round
series:	7200
closure type:	Open
weight:	13 lbs
bearing material:	Steel



## SNR BEARING CORP.OF AMERICA

manufacturer product page:	<a href="#">Click here</a>
radial dynamic load capacity:	165 kN
manufacturer upc number:	7316570926644
radial static load capacity:	163 kN
$d_1$	157 mm
$d_2$	138.6 mm
$D_1$	179.4 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
$d_a$ min.	132 mm
$D_a$ max.	203 mm
$D_b$ max.	208 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
Basic dynamic load rating C	165 kN
Basic static load rating $C_0$	163 kN
Fatigue load limit $P_u$	5.3 kN
Calculation factor A	0.45
Calculation factor $k_r$	0.08
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	5.89 kg