



**Bearing No. 7224 BGAM**

a	90 mm
d	120 mm
D	215 mm
B	40 mm
Bore	4.724 Inch   120 Millimeter
Noun	Bearing
Width	1.575 Inch   40 Millimeter
UNSPSC	31171531
weight:	13 lbs
Preload	Light
series:	7200
Category	Angular Contact Ball Bearing
Inventory	0.0
Snap Ring	No
Size (mm)	215x120x40
Enclosure	Open
bore type:	Round
Width (mm)	40
Flush Ground	Yes
Weight / LBS	12.991
Mass bearing	5.89 kg
maximum rpm:	2600 rpm
Product Group	B00308
Inch - Metric	Metric
Contact Angle	40 Degree
Cage Material	Brass
D <sub>1</sub>	179.4 mm
d <sub>2</sub>	138.6 mm

d <sub>1</sub>	157 mm
closure type:	Open
bore diameter:	120 mm
Keyword String	Angular Contact
overall width:	40 mm
contact angle:	40 °
fillet radius:	2.1 mm
cage material:	Brass
Bearing number	7224 BGAM
Limiting speed	3600 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3   ISO P6
Reference speed	3400 r/min
Outside Diameter	8.465 Inch   215 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
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
Weight / Kilogram	5.9
bearing material:	Steel
outside diameter:	215 mm
Manufacturer Name	SKF
d <sub>a</sub> min.	132 mm
Number of Bearings	1 (Single)
Internal Clearance	C0-Medium
Bore Diameter (mm)	215
r <sub>b</sub> max.	1 mm

$r_a$ max.	2 mm
$D_b$ max.	208 mm
$D_a$ max.	203 mm
Outer Diameter (mm)	120
$r_{3,4}$ min.	1.1 mm
$D_b$ - max.	208 mm
Calculation factor X	0.57
Mounting Arrangement	Universal
$d_a$ - min.	132 mm
Minimum Buy Quantity	N/A
$D_a$ - max.	203 mm
$r_a$ - max.	2 mm
$r_{1,2}$ min.	2.1 mm
$r_b$ - max.	1 mm
Calculation factor e	1.14
maximum temperature:	257 °F
Calculation factor A	0.45
row type & fill slot:	Single-Row Non-Fill Slot
$d_1$ ?	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
Calculation factor - e	1.14
Calculation factor - X	0.35
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
manufacturer upc number:	7316570926644
Manufacturer Item Number	7224 BGAM
manufacturer product page:	<a href="#">Click here</a>

Basic dynamic load rating C	165 kN
radial static load capacity:	163 kN
radial dynamic load capacity:	165 kN
Basic dynamic load rating - C	165 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	5.3 kN
Calculation factor $k_r$	0.08
Calculation factor $Y_0$	0.52
Calculation factor $Y_2$	0.93
Calculation factor $Y_1$	0.55
Calculation factor - $Y_2$	0.57
Calculation factor - $k_r$	0.08
Fatigue load limit - $P_u$	5.3 kN
Calculation factor - $k_a$	1.2
Calculation factor - $Y_0$	0.26
Calculation factor - $Y_1$	
Basic static load rating $C_0$	163 kN
Basic static load rating - $C_0$	163 kN