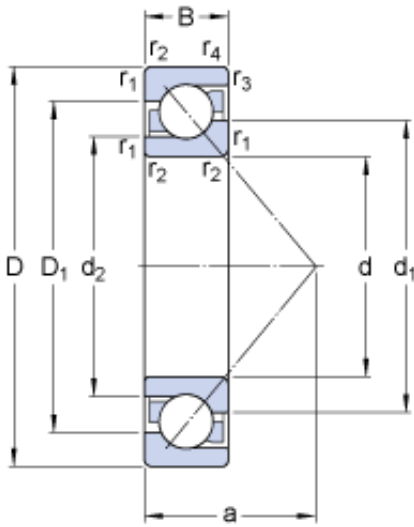




# SNR BEARING CORP.OF AMERICA



75 mm x 130 mm x 25 mm skf 7215 BECBM  
Single row angular contact ball bearings

Bearing No. 7215 BECBM

7215 BECBM Bearing 2D drawings and 3D CAD models

Size	130x75x25 mm
Bore Diameter	130 mm
Outer Diameter	75 mm
Width	25 mm
d	75 mm
D	130 mm
B	25 mm
d <sub>1</sub>	96.3 mm
d <sub>2</sub>	85.25 mm
D <sub>1</sub>	110.1 mm
a	56 mm
r <sub>1,2</sub> - min.	1.5 mm
r <sub>3,4</sub> - min.	1 mm
d <sub>a</sub> - min.	84 mm
D <sub>a</sub> - max.	121 mm
D <sub>b</sub> - max.	124 mm
r <sub>a</sub> - max.	1.5 mm
r <sub>b</sub> - max.	1 mm
Basic dynamic load rating - C	73.5 kN
Basic static load rating - C <sub>0</sub>	65.5 kN
Fatigue load limit - P <sub>u</sub>	2.7 kN
Reference speed	6300 r/min
Limiting speed	6300 r/min
Calculation factor - k <sub>r</sub>	0.095



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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	1.29
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	CB
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric
Long Description	75MM Bore; 130MM



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	Outside Diameter; 25MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap Ring
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	7215 BECBM
Weight / LBS	2.846
Outside Diameter	5.118 Inch   130 Millimeter
Width	0.984 Inch   25 Millimeter
Bore	2.953 Inch   75 Millimeter
bore diameter:	75 mm
radial static load capacity:	65.5 kN
outside diameter:	130 mm
cage material:	Brass
overall width:	25 mm
outer ring width:	25 mm
contact angle:	40 °
maximum rpm:	6300 RPM
row type & fill slot:	Single-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	ABEC 3 (ISO Class 6)
closure type:	Open
fillet radius:	1.5 mm



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radial dynamic load capacity:	73.5 kN
series:	72
$d_1$	96.3 mm
$d_2$	85.25 mm
$D_1$	110.1 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1 mm
$d_a$ min.	84 mm
$D_a$ max.	121 mm
$D_b$ max.	124 mm
$r_a$ max.	1.5 mm
$r_b$ max.	1 mm
Basic dynamic load rating C	73.5 kN
Basic static load rating $C_0$	65.5 kN
Fatigue load limit $P_u$	2.7 kN
Calculation factor A	0.0599
Calculation factor $k_r$	0.095
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	1.2 kg