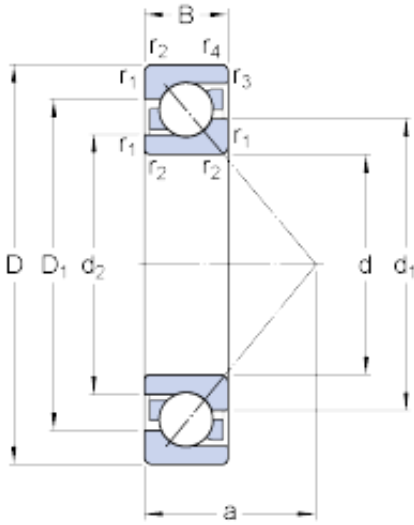




# SNR BEARING CORP.OF AMERICA



70 mm x 125 mm x 24 mm skf 7214 BEGAM  
Single row angular contact ball bearings

Bearing No. 7214 BEGAM

7214 BEGAM Bearing 2D drawings and 3D CAD models

Size	125x70x24 mm
Bore Diameter	125 mm
Outer Diameter	70 mm
Width	24 mm
d	70 mm
D	125 mm
B	24 mm
d <sub>1</sub>	91.5 mm
d <sub>2</sub>	80.25 mm
D <sub>1</sub>	104.75 mm
a	53 mm
r <sub>1,2</sub> - min.	1.5 mm
r <sub>3,4</sub> - min.	1 mm
d <sub>a</sub> - min.	79 mm
D <sub>a</sub> - max.	116 mm
D <sub>b</sub> - max.	119 mm
r <sub>a</sub> - max.	1.5 mm
r <sub>b</sub> - max.	1 mm
Basic dynamic load rating - C	72 kN
Basic static load rating - C <sub>0</sub>	60 kN
Fatigue load limit - P <sub>u</sub>	2.6 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	2.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.19
EAN	7316577612007
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



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Inch - Metric	Metric
Long Description	70MM Bore; 125MM Outside Diameter; 24MM 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	7214 BEGAM
Weight / LBS	2.619
Outside Diameter	4.921 Inch   125 Millimeter
Bore	2.756 Inch   70 Millimeter
Width	0.945 Inch   24 Millimeter
bore diameter:	70 mm
radial static load capacity:	60 kN
outside diameter:	125 mm
cage material:	Brass
overall width:	24 mm
outer ring width:	24 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:	72 kN
series:	72
$d_1$	91.5 mm
$d_2$	80.25 mm
$D_1$	104.75 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1 mm
$d_a$ min.	79 mm
$D_a$ max.	116 mm
$D_b$ max.	119 mm
$r_a$ max.	1.5 mm
$r_b$ max.	1 mm
Basic dynamic load rating C	72 kN
Basic static load rating $C_0$	60 kN
Fatigue load limit $P_u$	2.55 kN
Calculation factor A	0.0529
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	1.1 kg