

# PRECISION BEARING CORP.



7214 becbp Bearing 2D drawings and 3D CAD models

70 mm x 125 mm x 24 mm skf 7214 becbp bearing

Bearing No. 7214 becbp

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.09
EAN	7316576633539
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	Polymer
Contact Angle	40 Degree
Internal Clearance	CB
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
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



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	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	7214 BECBP
Weight / LBS	2.407
B	0.945 Inch   24 Millimeter
d	2.756 Inch   70 Millimeter
D	4.921 Inch   125 Millimeter
bore diameter:	70 mm
radial static load capacity:	64 kN
outside diameter:	125 mm
cage material:	Nylon
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:	Not Rated
closure type:	Open
fillet radius:	1.5 mm
radial dynamic load capacity:	75 kN
series:	72
d	70 mm

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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>	2.55 kN
Reference speed	6300 r/min
Limiting speed	6300 r/min
Calculation factor A	0.0529
Calculation factor k <sub>r</sub>	0.095
Calculation factor e	1.14
Calculation factor X	0.35
Calculation factor Y <sub>0</sub>	0.26
Calculation factor Y <sub>2</sub>	0.57
Calculation factor X	0.57
Calculation factor Y <sub>0</sub>	0.52
Calculation factor Y <sub>1</sub>	0.55
Calculation factor Y <sub>2</sub>	0.93
Mass bearing	1.1 kg