



# GARLOCK BEARINGS LTD



## 50 mm x 90 mm x 20 mm SKF 7210 BEGAP Angular Contact Ball Bearings

Bearing No. 7210 BEGAP

7210 BEGAP Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.473
EAN	7316576633188
Product Group	B00308
Enclosure	Open
Flush Ground	Yes
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Polyamide
Contact Angle	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Preload	Light
Mounting Arrangement	Universal
Inch - Metric	Metric
Long Description	50MM Bore; 90MM Outside Diameter; 20MM Width; Open; Yes Flush Ground; Ball Bearing; Single



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	Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Polyamide Cage; 40 Degree; 1 (Single)
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	7210 BEGAP
D	3.543 Inch   90 Millimeter
B	0.787 Inch   20 Millimeter
d	1.969 Inch   50 Millimeter
bore diameter:	50 mm
radial static load capacity:	31 kN
outside diameter:	90 mm
cage material:	Nylon
overall width:	20 mm
outer ring width:	20 mm
contact angle:	40 °
maximum rpm:	9000 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 mm
radial dynamic load capacity:	40 kN
series:	72
d	50 mm



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D	90 mm
B	20 mm
d <sub>1</sub>	65.75 mm
d <sub>2</sub>	57.68 mm
D <sub>1</sub>	75.15 mm
a	39 mm
r <sub>1,2</sub> min.	1.1 mm
r <sub>3,4</sub> min.	0.6 mm
d <sub>a</sub> min.	57 mm
D <sub>a</sub> max.	83 mm
D <sub>b</sub> max.	85.8 mm
r <sub>a</sub> max.	1 mm
r <sub>b</sub> max.	0.6 mm
Basic dynamic load rating C	40 kN
Basic static load rating C <sub>0</sub>	31 kN
Fatigue load limit P <sub>u</sub>	1.32 kN
Reference speed	9000 r/min
Limiting speed	9000 r/min
Calculation factor A	0.014
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	0.47 kg