



# NTN BEARING CORP.OF AMERICA



## 50 mm x 110 mm x 27 mm SKF 7310 BEGAM Angular Contact Ball Bearings

Bearing No. 7310 BEGAM

7310 BEGAM Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.17
EAN	7316577611284
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
Inch - Metric	Metric
Long Description	50MM Bore; 110MM Outside Diameter; 27MM Width; Open; Yes Flush Ground; Ball Bearing; Single



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	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	7310 BEGAM
Weight / LBS	2.586
B	1.063 Inch   27 Millimeter
D	4.331 Inch   110 Millimeter
d	1.969 Inch   50 Millimeter
bore diameter:	50 mm
radial static load capacity:	51 kN
outside diameter:	110 mm
cage material:	Brass
overall width:	27 mm
outer ring width:	27 mm
contact angle:	40 °
maximum rpm:	8000 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:	2 mm
radial dynamic load capacity:	75 kN
series:	73
d	50 mm



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D	110 mm
B	27 mm
d <sub>1</sub>	73.8 mm
d <sub>2</sub>	61.13 mm
D <sub>1</sub>	88.8 mm
a	47 mm
r <sub>1,2</sub> min.	2 mm
r <sub>3,4</sub> min.	1 mm
d <sub>a</sub> min.	61 mm
D <sub>a</sub> max.	99 mm
D <sub>b</sub> max.	104 mm
r <sub>a</sub> max.	2 mm
r <sub>b</sub> max.	1 mm
Basic dynamic load rating C	75 kN
Basic static load rating C <sub>0</sub>	51 kN
Fatigue load limit P <sub>u</sub>	2.16 kN
Reference speed	7500 r/min
Limiting speed	10000 r/min
Calculation factor A	0.0418
Calculation factor k <sub>r</sub>	0.1
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