



**50 mm x 110 mm x 27 mm SKF 7310 BECBM
angular contact ball bearings**

Bearing No. 7310 BECBM

7310 BECBM Bearing 2D drawings and 3D CAD models

Size	110x50x27 mm
Bore Diameter	110 mm
Outer Diameter	50 mm
Width	27 mm
d	50 mm
D	110 mm
B	27 mm
d ₁	73.8 mm
d ₂	61.13 mm
D ₁	88.8 mm
a	47 mm
r _{1,2} - min.	2 mm
r _{3,4} - min.	1 mm
d _a - min.	61 mm
D _a - max.	99 mm
D _b - max.	104 mm
r _a - max.	2 mm
r _b - max.	1 mm
Basic dynamic load rating - C	75 kN
Basic static load rating - C ₀	51 kN
Fatigue load limit - P _u	2.2 kN
Reference speed	8000 r/min
Limiting speed	8000 r/min
Calculation factor - k _r	0.1



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Calculation factor - k_a	1.6
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	11.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.191
EAN	7316577086396
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	Brass
Contact Angle	40 Degree
Internal Clearance	CB
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric



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Long Description	50MM Bore; 110MM Outside Diameter; 27MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; CB; Brass Cage; 40 Degree; 1 (Single); Univers
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	http://www.skf.com
Manufacturer Item Number	7310 BECBM
Outside Diameter	4.331 Inch 110 Millimeter
Width	1.063 Inch 27 Millimeter
Bore	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



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radial dynamic load capacity:	75 kN
series:	73
d_1	73.8 mm
d_2	61.13 mm
D_1	88.8 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
d_a min.	61 mm
D_a max.	99 mm
D_b max.	104 mm
r_a max.	2 mm
r_b max.	1 mm
Basic dynamic load rating C	75 kN
Basic static load rating C_0	51 kN
Fatigue load limit P_u	2.16 kN
Calculation factor A	0.0418
Calculation factor k_r	0.1
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