



BEARING CORP.OF CANADA LTD.



55 mm x 100 mm x 21 mm SKF 7211 BECBM Angular contact ball bearings

Bearing No. 7211 BECBM

7211 BECBM Bearing 2D drawings and 3D CAD models

Size	100x55x21 mm
Bore Diameter	100 mm
Outer Diameter	55 mm
Width	21 mm
d	55 mm
D	100 mm
B	21 mm
d ₁	72.45 mm
d ₂	63.62 mm
D ₁	83.7 mm
a	43 mm
r _{1,2} - min.	1.5 mm
r _{3,4} - min.	1 mm
d _a - min.	64 mm
D _a - max.	91 mm
D _b - max.	94 mm
r _a - max.	1.5 mm
r _b - max.	1 mm
Basic dynamic load rating - C	49 kN
Basic static load rating - C ₀	40 kN
Fatigue load limit - P _u	1.7 kN
Reference speed	8000 r/min
Limiting speed	8000 r/min
Calculation factor - k _r	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	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.66
EAN	7316576633317
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	CB
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric



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Long Description	55MM Bore; 100MM Outside Diameter; 21MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap 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	http://www.skf.com
Manufacturer Item Number	7211 BECBM
Weight / LBS	1.457
Bore	2.165 Inch 55 Millimeter
Width	0.827 Inch 21 Millimeter
Outside Diameter	3.937 Inch 100 Millimeter
bore diameter:	55 mm
radial static load capacity:	40 kN
outside diameter:	100 mm
cage material:	Brass
overall width:	21 mm
outer ring width:	21 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:	1.5 mm



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radial dynamic load capacity:	49 kN
series:	72
d_1	72.45 mm
d_2	63.62 mm
D_1	83.3 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1 mm
d_a min.	64 mm
D_a max.	91 mm
D_b max.	94 mm
r_a max.	1.5 mm
r_b max.	1 mm
Basic dynamic load rating C	49 kN
Basic static load rating C_0	40 kN
Fatigue load limit P_u	1.66 kN
Calculation factor A	0.022
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	0.62 kg