



BEARING BOWER CORP.



55 mm x 120 mm x 29 mm SKF 7311 BECBJ Angular Contact Ball Bearings

Bearing No. 7311 BECBJ

7311 BECBJ Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.487
EAN	7316570664911
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	Steel
Contact Angle	40 Degree
Internal Clearance	CB
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric
Long Description	55MM Bore; 120MM Outside Diameter; 29MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap



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	Ring; CB; Steel 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	7311 BECBJ
B	1.142 Inch 29 Millimeter
d	2.165 Inch 55 Millimeter
D	4.724 Inch 120 Millimeter
bore diameter:	55 mm
radial static load capacity:	60 kN
outside diameter:	120 mm
outer ring width:	29 mm
overall width:	29 mm
maximum rpm:	6700 RPM
contact angle:	40 °
finish/coating:	Uncoated
row type & fill slot:	Single-Row Non-Fill Slot
precision rating:	Not Rated
internal clearance:	C0
fillet radius:	2 mm
closure type:	Open
series:	73
radial dynamic load capacity:	85.2 kN
d	55 mm
D	120 mm



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B	29 mm
d_1	80.3 mm
d_2	66.66 mm
D_1	96.6 mm
a	51 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
d_a min.	66 mm
D_a max.	109 mm
D_b max.	114 mm
r_a max.	2 mm
r_b max.	1 mm
Basic dynamic load rating C	85 kN
Basic static load rating C_0	60 kN
Fatigue load limit P_u	2.55 kN
Reference speed	7000 r/min
Limiting speed	7000 r/min
Calculation factor A	0.0574
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	1.4 kg