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60 mm x 130 mm x 31 mm SKF 7312 BECCM angular contact ball bearings

Bearing No. 7312 BECCM

7312 BECCM Bearing 2D drawings and 3D CAD models

Size	130x60x31 mm
Bore Diameter	130 mm
Outer Diameter	60 mm
Width	31 mm
d	60 mm
D	130 mm
B	31 mm
d ₁	87.25 mm
d ₂	72.6 mm
D ₁	104.8 mm
a	55 mm
r _{1,2} - min.	2.1 mm
r _{3,4} - min.	1.1 mm
d _a - min.	72 mm
D _a - max.	118 mm
D _b - max.	123 mm
r _a - max.	2 mm
r _b - max.	1 mm
Basic dynamic load rating - C	104 kN
Basic static load rating - C ₀	76.5 kN
Fatigue load limit - P _u	3.2 kN
Reference speed	6700 r/min
Limiting speed	6700 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	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.88
EAN	7316577150714
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	CC
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric



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Long Description	60MM Bore; 130MM Outside Diameter; 31MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Other Features	Axial Internal Clearance Greater Than Normal
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	7312 BECCM
Weight / LBS	4.145
Outside Diameter	5.118 Inch 130 Millimeter
Width	1.22 Inch 31 Millimeter
Bore	2.362 Inch 60 Millimeter
bore diameter:	60 mm
radial static load capacity:	76.5 kN
outside diameter:	130 mm
outer ring width:	31 mm
overall width:	31 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



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radial dynamic load capacity:	104 kN
d_1	87.25 mm
d_2	72.6 mm
D_1	104.8 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
d_a min.	72 mm
D_a max.	118 mm
D_b max.	123 mm
r_a max.	2 mm
r_b max.	1 mm
Basic dynamic load rating C	104 kN
Basic static load rating C_0	76.5 kN
Fatigue load limit P_u	3.2 kN
Calculation factor A	0.0846
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	1.75 kg