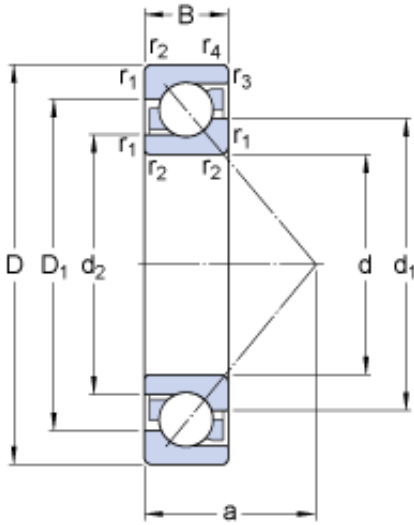




SNR BEARING CORP.OF AMERICA



20 mm x 52 mm x 15 mm skf 7304 BECBY
Single row angular contact ball bearings

Bearing No. 7304 BECBY

7304 BECBY Bearing 2D drawings and 3D CAD models

Size	52x20x15 mm
Bore Diameter	52 mm
Outer Diameter	20 mm
Width	15 mm
d	20 mm
D	52 mm
B	15 mm
d ₁	33.15 mm
d ₂	26.75 mm
D ₁	40.5 mm
a	22.8 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
d _a - min.	27 mm
D _a - max.	45 mm
D _b - max.	47.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	19 kN
Basic static load rating - C ₀	10.4 kN
Fatigue load limit - P _u	0.44 kN
Reference speed	16000 r/min
Limiting speed	16000 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	2.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.15
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
Long Description	20MM Bore; 52MM



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	Outside Diameter; 15MM 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	7304 BECBY
Weight / LBS	0.331
Outside Diameter	2.047 Inch 52 Millimeter
Bore	0.787 Inch 20 Millimeter
Width	0.591 Inch 15 Millimeter
bore diameter:	20 mm
radial static load capacity:	10.4 kN
outside diameter:	52 mm
cage material:	Brass
overall width:	15 mm
outer ring width:	15 mm
contact angle:	40 °
maximum rpm:	16000 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 mm



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radial dynamic load capacity:	19 kN
series:	73
d_1	33.15 mm
d_2	26.75 mm
D_1	40.5 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	27 mm
D_a max.	45 mm
D_b max.	47.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	20.4 kN
Basic static load rating C_0	11.2 kN
Fatigue load limit P_u	0.475 kN
Calculation factor A	0.00212
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	0.14 kg