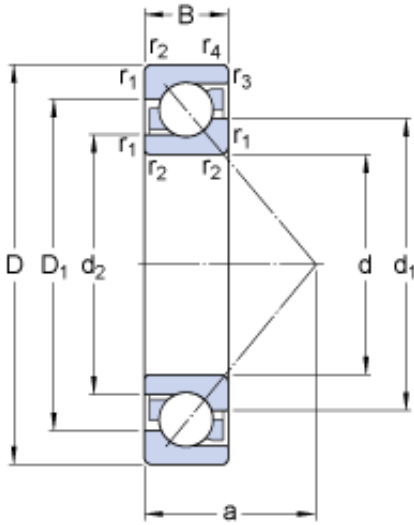




SNR BEARING CORP.OF AMERICA



20 mm x 47 mm x 14 mm skf 7204 BECBY
Single row angular contact ball bearings

Bearing No. 7204 BECBY

7204 BECBY Bearing 2D drawings and 3D CAD models

Size	47x20x14 mm
Bore Diameter	47 mm
Outer Diameter	20 mm
Width	14 mm
d	20 mm
D	47 mm
B	14 mm
d ₁	30.8 mm
d ₂	25.87 mm
D ₁	37 mm
a	21 mm
r _{1,2} - min.	1 mm
r _{3,4} - min.	0.6 mm
d _a - min.	25.6 mm
D _a - max.	41.4 mm
D _b - max.	42.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	13.3 kN
Basic static load rating - C ₀	7.6 kN
Fatigue load limit - P _u	0.325 kN
Reference speed	18000 r/min
Limiting speed	18000 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	0.112
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; 47MM



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	Outside Diameter; 14MM 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	7204 BECBY
Weight / LBS	0.234
Bore	0.787 Inch 20 Millimeter
Width	0.551 Inch 14 Millimeter
Outside Diameter	1.85 Inch 47 Millimeter
bore diameter:	20 mm
radial static load capacity:	8.3 kN
outside diameter:	47 mm
cage material:	Brass
overall width:	14 mm
outer ring width:	14 mm
contact angle:	40 °
maximum rpm:	18000 RPM
row type & fill slot:	Single-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
fillet radius:	1 mm



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radial dynamic load capacity:	14 kN
series:	72
d_1	30.8 mm
d_2	25.87 mm
D_1	37 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	25.6 mm
D_a max.	41.4 mm
D_b max.	42.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	14.3 kN
Basic static load rating C_0	8.15 kN
Fatigue load limit P_u	0.345 kN
Calculation factor A	0.00113
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	0.11 kg