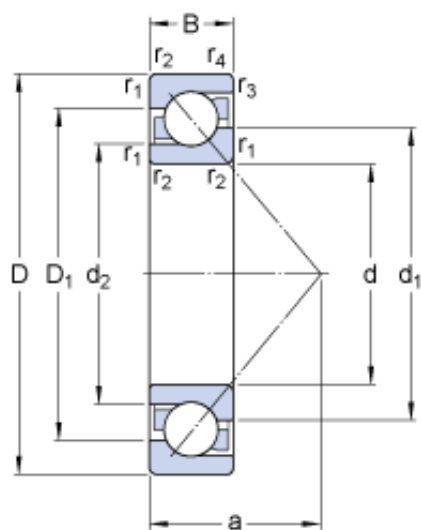




Bearing No. 7309 BECBJ

D	100 mm
d	45 mm
B	25 mm
a	43 mm
Noun	Bearing
Bore	1.772 Inch 45 Millimeter
Width	0.984 Inch 25 Millimeter
UNSPSC	31171531
series:	73
Category	Angular Contact Ball Bearing
Inventory	0.0
Enclosure	Open
Snap Ring	No
Size (mm)	100x45x25
Width (mm)	25
Flush Ground	Yes
Mass bearing	0.87 kg
maximum rpm:	8000 RPM
Inch - Metric	Metric
D ₁	79.9 mm
Contact Angle	40 Degree
Cage Material	Steel
d ₂	55.25 mm
d ₁	66.5 mm
closure type:	Open
Product Group	B00308
overall width:	25 mm

Keyword String	Angular Contact
contact angle:	40 °
fillet radius:	1.5 mm
Other Features	Normal Axial Internal Clearance
bore diameter:	45 mm
Bearing number	7309 BECBJ
Limiting speed	8000 r/min
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Reference speed	8000 r/min
Precision Class	ABEC 1 ISO P0
Outside Diameter	3.937 Inch 100 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	45MM Bore; 100MM Outside Diameter; 25MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; CB; Steel Cage; 40 Degree; 1 (Single); Univers
Manufacturer Name	SKF
outside diameter:	100 mm
precision rating:	Not Rated
outer ring width:	25 mm
Weight / Kilogram	0.9
d _a min.	54 mm
Internal Clearance	CB
Number of Bearings	1 (Single)
D _a max.	91 mm
D _b max.	94.4 mm
	1.5 mm

ra max.	
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r_b max.	1 mm
Bore Diameter (mm)	100
Outer Diameter (mm)	45
internal clearance:	C0
Calculation factor A	0.0268
Calculation factor e	1.14
Calculation factor X	0.57
$r_{1,2}$ min.	1.5 mm
d_a - min.	54 mm
Minimum Buy Quantity	N/A
$r_{3,4}$ min.	1 mm
D_a - max.	91 mm
Mounting Arrangement	Universal
D_b - max.	94.4 mm
r_a - max.	1.5 mm
r_b - max.	1 mm
row type & fill slot:	Single-Row Non-Fill Slot
d_1 ?	66.5 mm
d_2 ?	55.25 mm
D_1 ?	79.9 mm
$r_{3,4}$ - min.	1 mm
$r_{1,2}$ - min.	1.5 mm
Harmonized Tariff Code	8482.10.50.28
Calculation factor - X	0.35
Calculation factor - e	1.14
Number of Rows of Balls	Single Row
Manufacturer Item Number	7309 BECBJ
Basic dynamic load rating C	61 kN
radial static load capacity:	41-1/2 kN
radial dynamic load	60.5 kN

capacity:	
Basic dynamic load rating - C	55.9 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	1.73 kN
Calculation factor k_r	0.1
Calculation factor Y_0	0.52
Calculation factor Y_2	0.93
Calculation factor Y_1	0.55
Calculation factor - k_a	1.6
Fatigue load limit - P_u	1.6 kN
Calculation factor - Y_0	0.26
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Calculation factor - k_r	0.1
Basic static load rating C_0	40.5 kN
Basic static load rating - C_0	37.5 kN