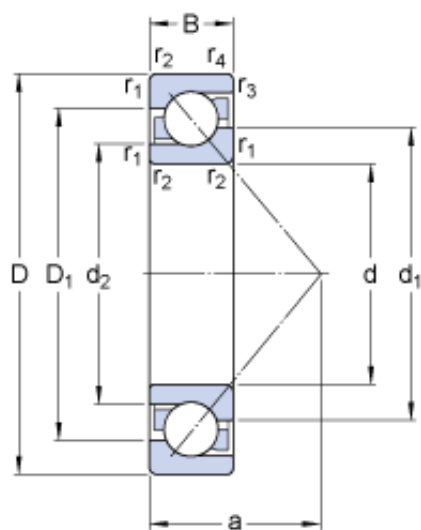




Bearing No. 7309 BECAP

D	100 mm
d	45 mm
B	25 mm
a	43 mm
Bore	1.772 Inch 45 Millimeter
Noun	Bearing
Width	0.984 Inch 25 Millimeter
UNSPSC	31171531
Category	Angular Contact Ball Bearing
Inventory	0.0
Snap Ring	No
Enclosure	Open
Size (mm)	100x45x25
Width (mm)	25
Flush Ground	Yes
Mass bearing	0.82 kg
Inch - Metric	Metric
Contact Angle	40 Degree
Cage Material	Polyamide
D ₁	79.9 mm
d ₂	55.25 mm
d ₁	66.5 mm
Product Group	B00308
Other Features	Axial Internal Clearance Smaller Than Normal
Keyword String	Angular Contact
Bearing number	7309 BECAP
Limiting speed	9000 r/min

Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Reference speed	9000 r/min
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; CA; Polyamide Cage; 40 Degree; 1 (Single); Uni
Manufacturer Name	SKF
Weight / Kilogram	0.836
r_b max.	1 mm
r_a max.	1.5 mm
Internal Clearance	CA
D_b max.	94.4 mm
Bore Diameter (mm)	100
D_a max.	91 mm
d_a min.	54 mm
Number of Bearings	1 (Single)
Outer Diameter (mm)	45
r_b - max.	1 mm
r_a - max.	1.5 mm
$r_{1,2}$ min.	1.5 mm
Minimum Buy Quantity	N/A
Mounting Arrangement	Universal
D_b - max.	94.4 mm
Calculation factor A	0.0268
D_a - max.	91 mm

d_a - min.	54 mm
Calculation factor e	1.14
Calculation factor X	0.57
$r_{3,4}$ min.	1 mm
D_1 ?	79.9 mm
d_2 ?	55.25 mm
d_1 ?	66.5 mm
Calculation factor - e	1.14
$r_{3,4}$ - min.	1 mm
Calculation factor - X	0.35
Harmonized Tariff Code	8482.10.50.28
$r_{1,2}$ - min.	1.5 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7309 BECAP
Basic dynamic load rating C	61 kN
Basic dynamic load rating - C	61 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
Fatigue load limit - P_u	1.7 kN
Calculation factor - k_r	0.1
Calculation factor - k_a	1.6
Calculation factor - Y_2	0.57
Calculation factor - Y_1	
Calculation factor - Y_0	0.26

Basic static load rating C_0	40.5 kN
Basic static load rating - C_0	40.5 kN