



NTN Bearing de Mexico, S.A.



7309 BEGAP Bearing 2D drawings and 3D CAD models

45 mm x 100 mm x 25 mm SKF 7309 BEGAP Angular Contact Ball Bearings

Bearing No. 7309 BEGAP

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.81
EAN	7316577610560
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	Polymer
Contact Angle	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Preload	Light
Mounting Arrangement	Universal
Inch - Metric	Metric
Long Description	45MM Bore; 100MM Outside Diameter; 25MM Width; Open; Yes Flush Ground; Ball Bearing; Single



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	Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
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	7309 BEGAP
Weight / LBS	1.79
D	3.937 Inch 100 Millimeter
B	0.984 Inch 25 Millimeter
d	1.772 Inch 45 Millimeter
bore diameter:	45 mm
radial static load capacity:	40-1/2 kN
outside diameter:	100 mm
cage material:	Nylon
overall width:	25 mm
outer ring width:	25 mm
contact angle:	40 °
maximum rpm:	9000 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:	1.5 mm
radial dynamic load capacity:	61 kN
series:	73
d	45 mm



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D	100 mm
B	25 mm
d ₁	66.5 mm
d ₂	55.25 mm
D ₁	79.9 mm
a	43 mm
r _{1,2} min.	1.5 mm
r _{3,4} min.	1 mm
d _a min.	54 mm
D _a max.	91 mm
D _b max.	94.4 mm
r _a max.	1.5 mm
r _b max.	1 mm
Basic dynamic load rating C	61 kN
Basic static load rating C ₀	40.5 kN
Fatigue load limit P _u	1.73 kN
Reference speed	8500 r/min
Limiting speed	9000 r/min
Calculation factor A	0.0268
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	0.82 kg