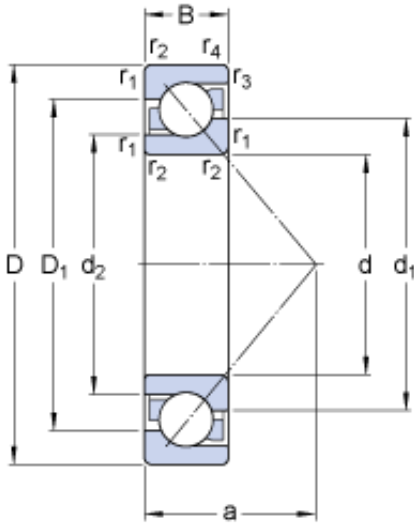




NTK BEARING PRECISION AXLE CORP.



7209 BEP Bearing 2D drawings and 3D CAD models

45 mm x 85 mm x 19 mm SKF 7209 BEP angular contact ball bearings

Bearing No. 7209 BEP

Size	85x45x19 mm
Bore Diameter	85 mm
Outer Diameter	45 mm
Width	19 mm
d	45 mm
D	85 mm
B	19 mm
d ₁	60.85 mm
d ₂	52.68 mm
D ₁	70.15 mm
a	37 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
d _a - min.	52 mm
D _a - max.	78 mm
D _b - max.	80.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	35.8 kN
Basic static load rating - C ₀	26 kN
Fatigue load limit - P _u	1.1 kN
Reference speed	9000 r/min
Limiting speed	9000 r/min
Calculation factor - k _r	0.095



NTK BEARING PRECISION AXLE CORP.

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	0.42
EAN	7316576633119
Product Group	B00308
Enclosure	Open
Flush Ground	No
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)
Inch - Metric	Metric
Long Description	45MM Bore; 85MM



NTK BEARING PRECISION AXLE CORP.

	Outside Diameter; 19MM Width; Open; No Flush Ground; Ball Bearing; Single 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	7209 BEP
Weight / LBS	0.917
Outside Diameter	3.346 Inch 85 Millimeter
Bore	1.772 Inch 45 Millimeter
Width	0.748 Inch 19 Millimeter
bore diameter:	45 mm
radial static load capacity:	26 kN
outside diameter:	85 mm
cage material:	Nylon
overall width:	19 mm
outer ring width:	19 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:	Not Rated
closure type:	Open
fillet radius:	1 mm
radial dynamic load capacity:	35.8 kN



NTK BEARING PRECISION AXLE CORP.

series:	72
d_1	60.85 mm
d_2	52.68 mm
D_1	70.15 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	52 mm
D_a max.	78 mm
D_b max.	80.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	35.8 kN
Basic static load rating C_0	26 kN
Fatigue load limit P_u	1.12 kN
Calculation factor A	0.012
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	0.42 kg