



# GARLOCK BEARINGS LTD



7219 BEP Bearing 2D drawings and 3D CAD models

## 95 mm x 170 mm x 32 mm SKF 7219 BEP Angular Contact Ball Bearings

Bearing No. 7219 BEP

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	2.747
EAN	7316577086655
Product Group	B00308
Enclosure	Open
Flush Ground	No
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Polyamide
Contact Angle	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	95MM Bore; 170MM Outside Diameter; 32MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; C0-Medium;



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	Polyamide Cage; 40 Degree; 1 (Single)
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	7219 BEP
D	6.693 Inch   170 Millimeter
d	3.74 Inch   95 Millimeter
B	1.26 Inch   32 Millimeter
bore diameter:	95 mm
radial static load capacity:	108 kN
outside diameter:	170 mm
outer ring width:	32 mm
overall width:	32 mm
maximum rpm:	4300 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:	2 mm
radial dynamic load capacity:	124 kN
series:	72
d	95 mm
D	170 mm
B	32 mm
d <sub>1</sub>	124.3 mm
d <sub>2</sub>	109.09 mm



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$D_1$	142.45 mm
a	72 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
$d_a$ min.	107 mm
$D_a$ max.	158 mm
$D_b$ max.	163 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
Basic dynamic load rating C	124 kN
Basic static load rating $C_0$	108 kN
Fatigue load limit $P_u$	4 kN
Reference speed	4500 r/min
Limiting speed	4300 r/min
Calculation factor A	0.191
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	2.7 kg