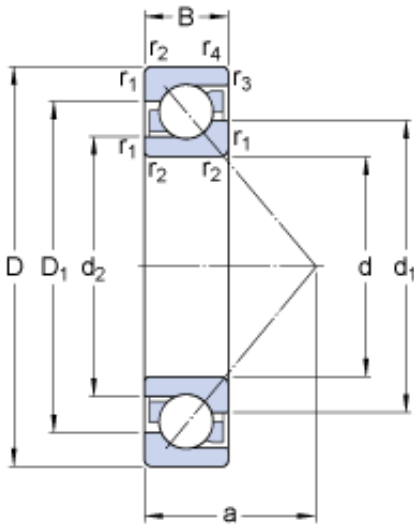




# PCIF BEARING LIMITED

## 50 mm x 110 mm x 27 mm skf 7310 bep bearing

Bearing No. 7310 bep



7310 bep Bearing 2D drawings and 3D CAD models

Size	110x50x27 mm
Bore Diameter	110 mm
Outer Diameter	50 mm
Width	27 mm
d	50 mm
D	110 mm
B	27 mm
d <sub>1</sub>	73.8 mm
d <sub>2</sub>	61.13 mm
D <sub>1</sub>	88.8 mm
a	47 mm
r <sub>1,2</sub> - min.	2 mm
r <sub>3,4</sub> - min.	1 mm
d <sub>a</sub> - min.	61 mm
D <sub>a</sub> - max.	99 mm
D <sub>b</sub> - max.	104 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
Basic dynamic load rating - C	68.9 kN
Basic static load rating - C <sub>0</sub>	47.5 kN
Fatigue load limit - P <sub>u</sub>	2 kN
Reference speed	7500 r/min
Limiting speed	7500 r/min
Calculation factor - k <sub>r</sub>	0.1
Calculation factor - k <sub>a</sub>	1.6



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Calculation factor - e	1.14
Calculation factor - X	0.57
Calculation factor - Y <sub>0</sub>	0.52
Calculation factor - Y <sub>1</sub>	0.55
Calculation factor - Y <sub>2</sub>	0.93
Calculation factor - X	0.35
Calculation factor - Y <sub>0</sub>	0.26
Calculation factor - Y <sub>1</sub>	
Calculation factor - Y <sub>2</sub>	0.57
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.04
EAN	7316576634345
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	50MM Bore; 110MM Outside Diameter; 27MM



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	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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	7310 BEP
Weight / LBS	2.288
Bore	1.969 Inch   50 Millimeter
Outside Diameter	4.331 Inch   110 Millimeter
Width	1.063 Inch   27 Millimeter
bore diameter:	50 mm
radial static load capacity:	47.5 kN
outside diameter:	110 mm
cage material:	Nylon
overall width:	27 mm
outer ring width:	27 mm
contact angle:	40 °
maximum rpm:	7500 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:	68.9 kN
series:	73



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$d_1$	73.8 mm
$d_2$	61.13 mm
$D_1$	88.8 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
$d_a$ min.	61 mm
$D_a$ max.	99 mm
$D_b$ max.	104 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
Basic dynamic load rating C	68.9 kN
Basic static load rating $C_0$	47.5 kN
Fatigue load limit $P_u$	2 kN
Calculation factor A	0.0418
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	1.1 kg