



# MianKang Bearing Co., Ltd.



skf 7311 bep bearing

Bearing No. 7311 bep

7311 bep Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.34
EAN	7316576634444
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	55MM Bore; 120MM Outside Diameter; 29MM 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



## MianKang Bearing Co., Ltd.

	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	7311 BEP
Weight / LBS	2.95
D	4.724 Inch   120 Millimeter
B	1.142 Inch   29 Millimeter
d	2.165 Inch   55 Millimeter
bore diameter:	55 mm
radial static load capacity:	55 kN
outside diameter:	120 mm
cage material:	Nylon
overall width:	29 mm
outer ring width:	29 mm
contact angle:	40 °
maximum rpm:	6700 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:	79.3 kN
series:	73
d	55 mm
D	120 mm
B	29 mm
d <sub>1</sub>	80.3 mm
d <sub>2</sub>	66.66 mm



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$D_1$	96.6 mm
a	51 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
$d_a$ min.	66 mm
$D_a$ max.	109 mm
$D_b$ max.	114 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
Basic dynamic load rating C	79.3 kN
Basic static load rating $C_0$	55 kN
Fatigue load limit $P_u$	2.32 kN
Reference speed	7000 r/min
Limiting speed	6700 r/min
Calculation factor A	0.0574
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	1.4 kg