



BROWNING BEARING COMPANY



7311 bep Bearing 2D drawings and 3D CAD models

55 mm x 120 mm x 29 mm skf 7311 bep bearing

Bearing No. 7311 bep

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



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	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	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 ₁	80.3 mm
d ₂	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