



Bearing No. 7311 BEGBM

D	120 mm
d	55 mm
B	29 mm
a	51 mm
Noun	Bearing
Bore	2.165 Inch 55 Millimeter
Width	1.142 Inch 29 Millimeter
UNSPSC	31171531
Preload	Medium
series:	73
Category	Angular Contact Ball Bearing
Size (mm)	120x55x29
Enclosure	Open
Snap Ring	No
Inventory	0.0
Width (mm)	29
Weight / LBS	3.307
Flush Ground	Yes
Mass bearing	1.4 kg
maximum rpm:	7000 RPM
Product Group	B00308
Inch - Metric	Metric
closure type:	Open
Contact Angle	40 Degree
Cage Material	Brass
D ₁	96.6 mm
d ₂	66.66 mm
d ₁	80.3 mm

cage material:	Brass
Keyword String	Angular Contact
overall width:	29 mm
contact angle:	40 °
fillet radius:	2 mm
bore diameter:	55 mm
Bearing number	7311 BEGBM
Limiting speed	7000 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Reference speed	7000 r/min
Long Description	55MM Bore; 120MM Outside Diameter; 29MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Outside Diameter	4.724 Inch 120 Millimeter
Manufacturer URL	http://www.skf.com
Weight / Kilogram	1.5
precision rating:	ABEC 3 (ISO Class 6)
outside diameter:	120 mm
outer ring width:	29 mm
Manufacturer Name	SKF
Bore Diameter (mm)	120
r _b max.	1 mm
r _a max.	2 mm
D _b max.	114 mm
D _a max.	109 mm
d _a min.	66 mm

Number of Bearings	1 (Single)
Internal Clearance	C0-Medium
Outer Diameter (mm)	55
internal clearance:	C0
D_a - max.	109 mm
Calculation factor A	0.0574
$r_{1,2}$ min.	2 mm
d_a - min.	66 mm
Minimum Buy Quantity	N/A
Mounting Arrangement	Universal
$r_{3,4}$ min.	1 mm
r_a - max.	2 mm
r_b - max.	1 mm
Calculation factor X	0.57
Calculation factor e	1.14
D_b - max.	114 mm
d_1 ?	80.3 mm
row type & fill slot:	Single-Row Non-Fill Slot
D_1 ?	96.6 mm
d_2 ?	66.66 mm
Harmonized Tariff Code	8482.10.50.28
Calculation factor - X	0.35
Calculation factor - e	1.14
$r_{1,2}$ - min.	2 mm
$r_{3,4}$ - min.	1 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7311 BEGBM
Basic dynamic load rating C	85 kN
radial static load capacity:	60 kN
radial dynamic load	85 kN

capacity:	
Basic dynamic load rating - C	85 kN
Maximum Capacity / Filling Slot	No
Calculation factor Y_0	0.52
Calculation factor Y_2	0.93
Calculation factor Y_1	0.55
Calculation factor k_r	0.1
Fatigue load limit P_u	2.55 kN
Fatigue load limit - P_u	2.6 kN
Calculation factor - k_a	1.6
Calculation factor - k_r	0.1
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Calculation factor - Y_0	0.26
Basic static load rating C_0	60 kN
Basic static load rating - C_0	60 kN