



**Bearing No. 7311 BEGBP**

D	120 mm
d	55 mm
B	29 mm
a	51 mm
Bore	2.165 Inch   55 Millimeter
Noun	Bearing
Width	1.142 Inch   29 Millimeter
UNSPSC	31171531
Preload	Medium
Category	Angular Contact Ball Bearing
Inventory	0.0
Enclosure	Open
Size (mm)	120x55x29
Snap Ring	No
Width (mm)	29
Flush Ground	Yes
Mass bearing	1.4 kg
Contact Angle	40 Degree
Cage Material	Polyamide
Inch - Metric	Metric
D <sub>1</sub>	96.6 mm
d <sub>2</sub>	66.66 mm
d <sub>1</sub>	80.3 mm
Product Group	B00308
Keyword String	Angular Contact
Bearing number	7311 BEGBP
Limiting speed	7000 r/min

Reference speed	7000 r/min
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
Long Description	55MM Bore; 120MM Outside Diameter; 29MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Polyamide Cage; 40 Degree; 1 (Singl
Outside Diameter	4.724 Inch   120 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Name	SKF
Weight / Kilogram	0
r <sub>a</sub> max.	2 mm
r <sub>b</sub> max.	1 mm
D <sub>b</sub> max.	114 mm
D <sub>a</sub> max.	109 mm
d <sub>a</sub> min.	66 mm
Bore Diameter (mm)	120
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Outer Diameter (mm)	55
r <sub>1,2</sub> min.	2 mm
Mounting Arrangement	Universal
d <sub>a</sub> - min.	66 mm
D <sub>a</sub> - max.	109 mm
r <sub>3,4</sub> min.	1 mm
D <sub>b</sub> - max.	114 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm

Minimum Buy Quantity	N/A
Calculation factor A	0.0574
Calculation factor e	1.14
Calculation factor X	0.57
$d_1$ ?	80.3 mm
$D_1$ ?	96.6 mm
$d_2$ ?	66.66 mm
Calculation factor - e	1.14
Harmonized Tariff Code	8482.10.50.28
$r_{1,2}$ - min.	2 mm
$r_{3,4}$ - min.	1 mm
Calculation factor - X	0.35
Number of Rows of Balls	Single Row
Basic dynamic load rating C	85 kN
Basic dynamic load rating - C	85 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	2.55 kN
Calculation factor $k_r$	0.1
Calculation factor $Y_0$	0.52
Calculation factor $Y_2$	0.93
Calculation factor $Y_1$	0.55
Fatigue load limit - $P_u$	2.6 kN
Calculation factor - $k_r$	0.1
Calculation factor - $k_a$	1.6
Calculation factor - $Y_2$	0.57
Calculation factor - $Y_1$	
Calculation factor - $Y_0$	0.26
Basic static load rating $C_0$	60 kN

Basic static load rating - $C_0$	60 kN
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