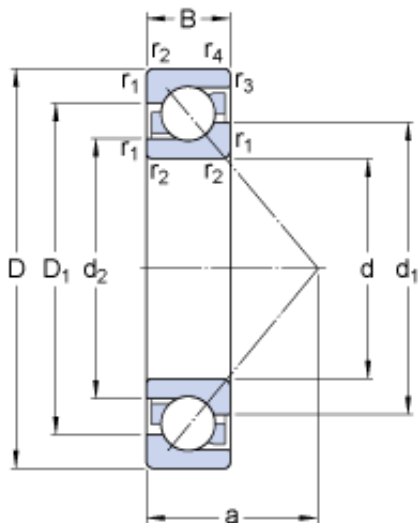




# NTN-SNR BEARING RULMENTI S.R.L.



55 mm x 120 mm x 29 mm skf 7311 BEGAY  
Single row angular contact ball bearings

Bearing No. 7311 BEGAY

7311 BEGAY Bearing 2D drawings and 3D CAD models

Size	120x55x29 mm
Bore Diameter	120 mm
Outer Diameter	55 mm
Width	29 mm
d	55 mm
D	120 mm
B	29 mm
d <sub>1</sub>	80.3 mm
d <sub>2</sub>	66.66 mm
D <sub>1</sub>	96.6 mm
a	51 mm
r <sub>1,2</sub> - min.	2 mm
r <sub>3,4</sub> - min.	1 mm
d <sub>a</sub> - min.	66 mm
D <sub>a</sub> - max.	109 mm
D <sub>b</sub> - max.	114 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
Basic dynamic load rating - C	85.2 kN
Basic static load rating - C <sub>0</sub>	60 kN
Fatigue load limit - P <sub>u</sub>	2.6 kN
Reference speed	6700 r/min
Limiting speed	6700 r/min
Calculation factor - k <sub>r</sub>	0.1



## NTN-SNR BEARING RULMENTI S.R.L.

Calculation factor - $k_a$	1.6
Calculation factor - e	1.14
Calculation factor - X	0.57
Calculation factor - $Y_0$	0.52
Calculation factor - $Y_1$	0.55
Calculation factor - $Y_2$	0.93
Calculation factor - X	0.35
Calculation factor - $Y_0$	0.26
Calculation factor - $Y_1$	
Calculation factor - $Y_2$	0.57
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.396
Product Group	B00308
Enclosure	Open
Flush Ground	Yes
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	Brass
Contact Angle	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Preload	Light
Mounting Arrangement	Universal
Inch - Metric	Metric



## NTN-SNR BEARING RULMENTI S.R.L.

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
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	7311 BEGAY
Weight / LBS	3.078
Bore	2.165 Inch   55 Millimeter
Outside Diameter	4.724 Inch   120 Millimeter
Width	1.142 Inch   29 Millimeter
bore diameter:	55 mm
radial static load capacity:	60 kN
outside diameter:	120 mm
cage material:	Brass
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:	ABEC 3 (ISO Class 6)
closure type:	Open
fillet radius:	2 mm
radial dynamic load capacity:	85.2 kN



## NTN-SNR BEARING RULMENTI S.R.L.

series:	73
$d_1$	80.3 mm
$d_2$	66.66 mm
$D_1$	96.6 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	85.2 kN
Basic static load rating $C_0$	60 kN
Fatigue load limit $P_u$	2.55 kN
Calculation factor A	0.0627
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