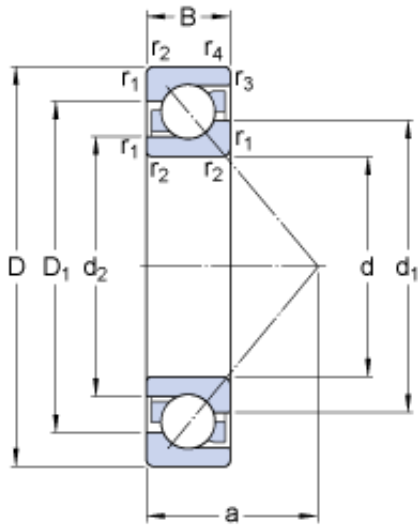




EYA Bearing Roller Industry Co.,Ltd



7311 BEGAP Bearing 2D drawings and 3D CAD models

SKF 7311 BEGAP angular contact ball bearings

Bearing No. 7311 BEGAP

Size	120x55x29 mm
Bore Diameter	120 mm
Outer Diameter	55 mm
Width	29 mm
d	55 mm
D	120 mm
B	29 mm
d ₁	80.3 mm
d ₂	66.66 mm
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	85 kN
Basic static load rating - C ₀	60 kN
Fatigue load limit - P _u	2.6 kN
Reference speed	7000 r/min
Limiting speed	7000 r/min
Calculation factor - k _r	0.1
Calculation factor - k _a	1.6



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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	2.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.34
EAN	7316577611369
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	Polymer
Contact Angle	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Preload	Light
Mounting Arrangement	Universal
Inch - Metric	Metric



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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	http://www.skf.com
Manufacturer Item Number	7311 BEGAP
Weight / LBS	2.95
Width	1.142 Inch 29 Millimeter
Outside Diameter	4.724 Inch 120 Millimeter
Bore	2.165 Inch 55 Millimeter
bore diameter:	55 mm
radial static load capacity:	60 kN
outside diameter:	120 mm
cage material:	Nylon
overall width:	29 mm
outer ring width:	29 mm
contact angle:	40 °
maximum rpm:	7000 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 kN



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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 kN
Basic static load rating C_0	60 kN
Fatigue load limit P_u	2.55 kN
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