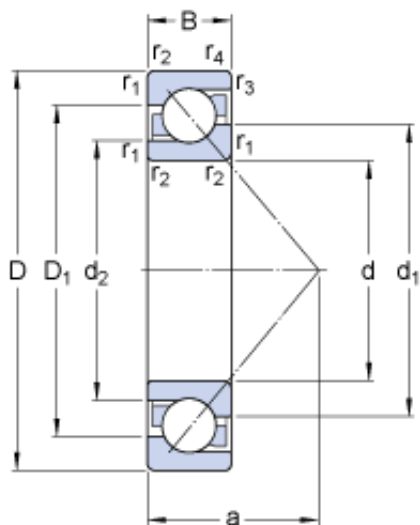




# IOR Bearing Manufacturing Co.,Ltd



7314 BEGAJ Bearing 2D drawings and 3D CAD models

## SKF 7314 BEGAJ angular contact ball bearings

Bearing No. 7314 BEGAJ

Size	150x70x35 mm
Bore Diameter	150 mm
Outer Diameter	70 mm
Width	35 mm
d	70 mm
D	150 mm
B	35 mm
d <sub>1</sub>	101.1 mm
d <sub>2</sub>	84.4 mm
D <sub>1</sub>	121.5 mm
a	64 mm
r <sub>1,2</sub> - min.	2.1 mm
r <sub>3,4</sub> - min.	1.1 mm
d <sub>a</sub> - min.	82 mm
D <sub>a</sub> - max.	138 mm
D <sub>b</sub> - max.	143 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
Basic dynamic load rating - C	119 kN
Basic static load rating - C <sub>0</sub>	90 kN
Fatigue load limit - P <sub>u</sub>	3.6 kN
Reference speed	5300 r/min
Limiting speed	5300 r/min
Calculation factor - k <sub>r</sub>	0.1
Calculation factor - k <sub>a</sub>	1.6



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Calculation factor - e	1.14
Calculation factor - X	0.57
Calculation factor - Y <sub>0</sub>	0.52
Calculation factor - Y <sub>1</sub>	0.55
Calculation factor - Y <sub>2</sub>	0.93
Calculation factor - X	0.35
Calculation factor - Y <sub>0</sub>	0.26
Calculation factor - Y <sub>1</sub>	
Calculation factor - Y <sub>2</sub>	0.57
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.666
EAN	7316570459548
Product Group	B00308
Enclosure	Open
Flush Ground	Yes
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Steel
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	70MM Bore; 150MM Outside Diameter; 35MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Steel Cage; 40 Degree; 1 (Single);
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	7314 BEGAJ
Outside Diameter	5.906 Inch   150 Millimeter
Bore	2.756 Inch   70 Millimeter
Width	1.378 Inch   35 Millimeter
$d_1$	101.1 mm
$d_2$	84.4 mm
$D_1$	121.5 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
$d_a$ min.	82 mm
$D_a$ max.	138 mm
$D_b$ max.	143 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
Basic dynamic load rating C	119 kN
Basic static load rating $C_0$	90 kN
Fatigue load limit $P_u$	3.65 kN
Calculation factor A	0.145
Calculation factor $k_r$	0.1
Calculation factor e	1.14



## IOR Bearing Manufacturing Co.,Ltd

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	2.65 kg