



Bearing No. 7314 BECBM

a	64 mm
d	70 mm
D	150 mm
B	35 mm
Noun	Bearing
Bore	2.756 Inch 70 Millimeter
Width	1.378 Inch 35 Millimeter
UNSPSC	31171531
series:	73
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	150x70x35
Inventory	2.0
Width (mm)	35
Weight / LBS	6.23
maximum rpm:	5600 RPM
Flush Ground	Yes
Mass bearing	2.65 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B04270
Inch - Metric	Metric
d ₂	84.4 mm
d ₁	101.1 mm
D ₁	121.5 mm

Other Features	Normal Axial Internal Clearance
fillet radius:	2 mm
contact angle:	40 °
overall width:	35 mm
cage material:	Brass
bore diameter:	70 mm
Keyword String	Angular Contact
Bearing number	7314 BECBM
Limiting speed	5600 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Reference speed	5600 r/min
Long Description	70MM Bore; 150MM Outside Diameter; 35MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Outside Diameter	5.906 Inch 150 Millimeter
Manufacturer URL	http://www.skf.com
Weight / Kilogram	2.83
precision rating:	ABEC 3 (ISO Class 6)
outside diameter:	150 mm
Manufacturer Name	SKF
outer ring width:	35 mm
d _a min.	82 mm
Number of Bearings	1 (Single)
Bore Diameter (mm)	150
r _b max.	1 mm
r _a max.	2 mm

Internal Clearance	CB
D _b max.	143 mm
D _a max.	138 mm
internal clearance:	C0
Outer Diameter (mm)	70
r _{1,2} min.	2.1 mm
Calculation factor A	0.145
Calculation factor e	1.14
Calculation factor X	0.57
Mounting Arrangement	Universal
r _{3,4} min.	1.1 mm
r _b - max.	1 mm
r _a - max.	2 mm
D _b - max.	143 mm
d _a - min.	82 mm
Minimum Buy Quantity	N/A
D _a - max.	138 mm
D ₁ ?	121.5 mm
d ₂ ?	84.4 mm
d ₁ ?	101.1 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Calculation factor - e	1.14
r _{1,2} - min.	2.1 mm
r _{3,4} - min.	1.1 mm
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
Manufacturer Item Number	7314 BECBM
Basic dynamic load rating C	127 kN
radial static load capacity:	98 kN

radial dynamic load capacity:	127 kN
Basic dynamic load rating - C	127 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	3.9 kN
Calculation factor - k_r	0.1
Calculation factor - Y_0	0.26
Fatigue load limit - P_u	3.9 kN
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Calculation factor - k_a	1.6
Basic static load rating C_0	98 kN
Basic static load rating - C_0	98 kN