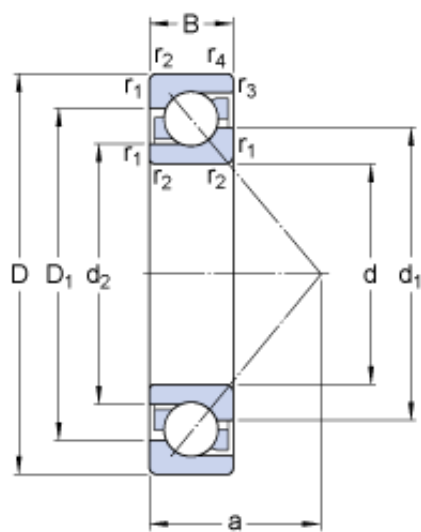




Bearing No. 7314 BECBY

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	0.0
Width (mm)	35
Weight / LBS	5.878
maximum rpm:	5300 RPM
Flush Ground	Yes
Mass bearing	2.65 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₁	101.1 mm
D ₁	121.5 mm
d ₂	84.4 mm

Bearing number	7314 BECBY
bore diameter:	70 mm
Other Features	Normal Axial Internal Clearance
Keyword String	Angular Contact
cage material:	Brass
Limiting speed	5300 r/min
overall width:	35 mm
contact angle:	40 °
fillet radius:	2 mm
Reference speed	5300 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
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
Manufacturer URL	http://www.skf.com
Outside Diameter	5.906 Inch 150 Millimeter
precision rating:	ABEC 3 (ISO Class 6)
outer ring width:	35 mm
Manufacturer Name	SKF
outside diameter:	150 mm
Weight / Kilogram	2.67
r _b max.	1 mm
Bore Diameter (mm)	150
D _a max.	138 mm
D _b max.	143 mm
r _a max.	2 mm

d _a min.	82 mm
Internal Clearance	CB
Number of Bearings	1 (Single)
internal clearance:	C0
Outer Diameter (mm)	70
Calculation factor A	0.145
d _a - min.	82 mm
r _a - max.	2 mm
D _b - max.	143 mm
Mounting Arrangement	Universal
Minimum Buy Quantity	N/A
r _{1,2} min.	2.1 mm
D _a - max.	138 mm
r _{3,4} min.	1.1 mm
Calculation factor X	0.57
Calculation factor e	1.14
r _b - max.	1 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
Harmonized Tariff Code	8482.10.50.28
r _{3,4} - min.	1.1 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7314 BECBY
Basic dynamic load rating C	127 kN
radial static load capacity:	90 kN

Basic dynamic load rating - C	119 kN
radial dynamic load capacity:	119 kN
Maximum Capacity / Filling Slot	No
Calculation factor k_r	0.1
Calculation factor Y_1	0.55
Calculation factor Y_2	0.93
Calculation factor Y_0	0.52
Fatigue load limit P_u	3.9 kN
Calculation factor - Y_2	0.57
Calculation factor - k_r	0.1
Calculation factor - Y_0	0.26
Calculation factor - Y_1	
Fatigue load limit - P_u	3.6 kN
Calculation factor - k_a	1.6
Basic static load rating C_0	98 kN
Basic static load rating - C_0	90 kN