



Bearing No. 7314 BEGBY

D	150 mm
d	70 mm
B	35 mm
a	64 mm
Noun	Bearing
Bore	2.756 Inch 70 Millimeter
Width	1.378 Inch 35 Millimeter
UNSPSC	31171531
Preload	Medium
series:	73
Category	Angular Contact Ball Bearing
Size (mm)	150x70x35
Enclosure	Open
Snap Ring	No
Inventory	0.0
Width (mm)	35
Weight / LBS	5.878
Flush Ground	Yes
Mass bearing	2.65 kg
maximum rpm:	5300 RPM
Product Group	B00308
Inch - Metric	Metric
closure type:	Open
Contact Angle	40 Degree
Cage Material	Brass
D ₁	121.5 mm
d ₂	84.4 mm
d ₁	101.1 mm

cage material:	Brass
Keyword String	Angular Contact
overall width:	35 mm
contact angle:	40 °
fillet radius:	2 mm
bore diameter:	70 mm
Bearing number	7314 BEGBY
Limiting speed	5300 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Reference speed	5300 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	2.67
precision rating:	ABEC 3 (ISO Class 6)
outside diameter:	150 mm
outer ring width:	35 mm
Manufacturer Name	SKF
Bore Diameter (mm)	150
r _b max.	1 mm
r _a max.	2 mm
D _b max.	143 mm
D _a max.	138 mm
d _a min.	82 mm

Number of Bearings	1 (Single)
Internal Clearance	C0-Medium
Outer Diameter (mm)	70
internal clearance:	C0
D _a - max.	138 mm
Calculation factor A	0.145
r _{1,2} min.	2.1 mm
d _a - min.	82 mm
Minimum Buy Quantity	N/A
Mounting Arrangement	Universal
r _{3,4} min.	1.1 mm
r _a - max.	2 mm
r _b - max.	1 mm
Calculation factor X	0.57
Calculation factor e	1.14
D _b - max.	143 mm
d ₁ ?	101.1 mm
row type & fill slot:	Single-Row Non-Fill Slot
D ₁ ?	121.5 mm
d ₂ ?	84.4 mm
Harmonized Tariff Code	8482.10.50.28
Calculation factor - X	0.35
Calculation factor - e	1.14
r _{1,2} - min.	2.1 mm
r _{3,4} - min.	1.1 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7314 BEGBY
Basic dynamic load rating C	119 kN
radial static load capacity:	90 kN
radial dynamic load	119 kN

capacity:	
Basic dynamic load rating - C	119 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	3.65 kN
Fatigue load limit - P_u	3.6 kN
Calculation factor - k_a	1.6
Calculation factor - k_r	0.1
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Calculation factor - Y_0	0.26
Basic static load rating C_0	90 kN
Basic static load rating - C_0	90 kN