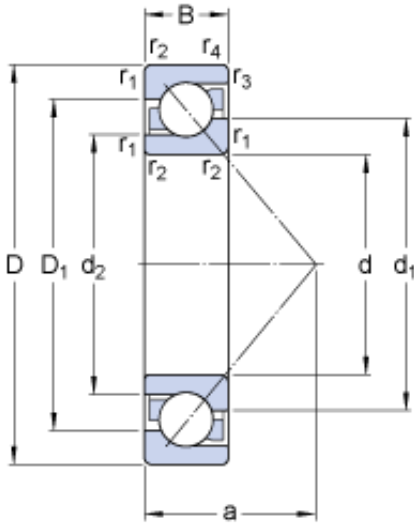




# HMSA BEARING MANUFACTURING LIMITED



7313 BECBY Bearing 2D drawings and 3D CAD models

65 mm x 140 mm x 33 mm skf 7313 BECBY  
Single row angular contact ball bearings

Bearing No. 7313 BECBY

Size	140x65x33 mm
Bore Diameter	140 mm
Outer Diameter	65 mm
Width	33 mm
d	65 mm
D	140 mm
B	33 mm
d <sub>1</sub>	94.15 mm
d <sub>2</sub>	78.45 mm
D <sub>1</sub>	112.85 mm
a	60 mm
r <sub>1,2</sub> - min.	2.1 mm
r <sub>3,4</sub> - min.	1.1 mm
d <sub>a</sub> - min.	77 mm
D <sub>a</sub> - max.	128 mm
D <sub>b</sub> - max.	133 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
Basic dynamic load rating - C	108 kN
Basic static load rating - C <sub>0</sub>	80 kN
Fatigue load limit - P <sub>u</sub>	3.4 kN
Reference speed	5600 r/min
Limiting speed	5600 r/min
Calculation factor - k <sub>r</sub>	0.1



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Calculation factor - $k_a$	1.6
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	52.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.14
EAN	7316576650772
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	Brass
Contact Angle	40 Degree
Internal Clearance	CB
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric



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Long Description	65MM Bore; 140MM Outside Diameter; 33MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap Ring
Other Features	Normal Axial Internal Clearance
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	7313 BECBY
Weight / LBS	4.722
Outside Diameter	5.512 Inch   140 Millimeter
Bore	2.559 Inch   65 Millimeter
Width	1.299 Inch   33 Millimeter
bore diameter:	65 mm
radial static load capacity:	80 kN
outside diameter:	140 mm
cage material:	Brass
overall width:	33 mm
outer ring width:	33 mm
contact angle:	40 °
maximum rpm:	5600 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



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radial dynamic load capacity:	108 kN
series:	73
$d_1$	94.15 mm
$d_2$	78.45 mm
$D_1$	112.85 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
$d_a$ min.	77 mm
$D_a$ max.	128 mm
$D_b$ max.	133 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
Basic dynamic load rating C	116 kN
Basic static load rating $C_0$	86.5 kN
Fatigue load limit $P_u$	3.65 kN
Calculation factor A	0.112
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	2.15 kg