



**Bearing No. 7313 BECBY**

a	60 mm
d	65 mm
D	140 mm
B	33 mm
Noun	Bearing
Bore	2.559 Inch   65 Millimeter
Width	1.299 Inch   33 Millimeter
UNSPSC	31171531
series:	73
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	140x65x33
Inventory	52.0
Width (mm)	33
Weight / LBS	4.722
maximum rpm:	5600 RPM
Flush Ground	Yes
Mass bearing	2.15 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d <sub>2</sub>	78.45 mm
d <sub>1</sub>	94.15 mm
D <sub>1</sub>	112.85 mm

Other Features	Normal Axial Internal Clearance
fillet radius:	2 mm
contact angle:	40 °
overall width:	33 mm
cage material:	Brass
bore diameter:	65 mm
Keyword String	Angular Contact
Bearing number	7313 BECBY
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	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
Outside Diameter	5.512 Inch   140 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Weight / Kilogram	2.14
precision rating:	ABEC 3 (ISO Class 6)
outside diameter:	140 mm
Manufacturer Name	SKF
outer ring width:	33 mm
d <sub>a</sub> min.	77 mm
Number of Bearings	1 (Single)
Bore Diameter (mm)	140
r <sub>b</sub> max.	1 mm
r <sub>a</sub> max.	2 mm

Internal Clearance	CB
$D_b$ max.	133 mm
$D_a$ max.	128 mm
internal clearance:	C0
Outer Diameter (mm)	65
$r_{1,2}$ min.	2.1 mm
Calculation factor A	0.112
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.	133 mm
$d_a$ - min.	77 mm
Minimum Buy Quantity	N/A
$D_a$ - max.	128 mm
$D_1$ ?	112.85 mm
$d_2$ ?	78.45 mm
$d_1$ ?	94.15 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	7313 BECBY
Basic dynamic load rating C	116 kN
radial static load capacity:	80 kN

radial dynamic load capacity:	108 kN
Basic dynamic load rating - C	108 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
Calculation factor - $k_r$	0.1
Calculation factor - $Y_0$	0.26
Fatigue load limit - $P_u$	3.4 kN
Calculation factor - $Y_1$	
Calculation factor - $Y_2$	0.57
Calculation factor - $k_a$	1.6
Basic static load rating $C_0$	86.5 kN
Basic static load rating - $C_0$	80 kN