



SNR BEARING CORP.OF AMERICA



7313 BEP Bearing 2D drawings and 3D CAD models

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

Bearing No. 7313 BEP

Size	140x65x33 mm
Bore Diameter	140 mm
Outer Diameter	65 mm
Width	33 mm
d	65 mm
D	140 mm
B	33 mm
d ₁	94.15 mm
d ₂	78.45 mm
D ₁	112.85 mm
a	60 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	108 kN
Basic static load rating - C ₀	80 kN
Fatigue load limit - P _u	3.4 kN
Reference speed	5600 r/min
Limiting speed	5600 r/min
Calculation factor - k _r	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	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.1
Product Group	B00308
Enclosure	Open
Flush Ground	No
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	Polymer
Contact Angle	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	65MM Bore; 140MM Outside Diameter; 33MM



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	Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	7313 BEP
Weight / LBS	4.63
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:	Nylon
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:	Not Rated
closure type:	Open
fillet radius:	2 mm
radial dynamic load capacity:	108 kN
series:	73



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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	108 kN
Basic static load rating C_0	80 kN
Fatigue load limit P_u	3.35 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