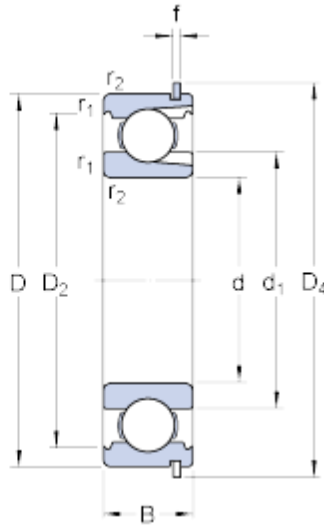
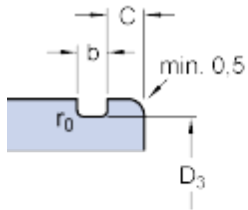




# BEARING CORP.OF AMERICA



65 mm x 140 mm x 33 mm skf 313 NR Deep groove ball bearings

Bearing No. 313 NR

313 NR Bearing 2D drawings and 3D CAD models

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>	88.35 mm
D <sub>2</sub>	121.3 mm
D <sub>3</sub>	135.23 mm
D <sub>4</sub>	149.7 mm
b	3.1 mm
C	4.9 mm
f	2.82 mm
r <sub>0</sub>	0.6 mm
r <sub>1,2</sub> - min.	2.1 mm
d <sub>a</sub> - min.	77 mm
D <sub>a</sub> - max.	128 mm
D <sub>b</sub> - min.	151 mm
b <sub>a</sub> - min.	3.5 mm
C <sub>a</sub> - max.	7.72 mm
r <sub>a</sub> - max.	2 mm
Basic dynamic load rating - C	102 kN
Basic static load rating - C <sub>0</sub>	90 kN



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Fatigue load limit - P <sub>u</sub>	3.8 kN
Reference speed	9000 r/min
Limiting speed	5300 r/min
Calculation factor minimum radial load - k <sub>r</sub>	0.05
Mass bearing	2.3 kg
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.32
EAN	7316576680632
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	Yes
Rolling Element	Ball Bearing
Snap Ring	Yes
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	65MM Bore; 140MM Outside Diameter; 33MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; Yes Filling Slot; Yes Snap Ring; No Internal Special Features
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing



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Keyword String	Ball
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	313 NR
Weight / LBS	5.11
Outside Diameter	5.512 Inch   140 Millimeter
Bore	2.559 Inch   65 Millimeter
Outer Race Width	1.299 Inch   33 Millimeter
bore diameter:	65 mm
static load capacity:	90 kN
outside diameter:	140 mm
precision rating:	ABEC 1 (ISO Class Normal)
overall width:	33 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	33 mm
row type & fill slot:	Single Row Filling Slot
fillet radius:	2 mm
snap ring included:	With Snap Ring
maximum rpm:	5300 RPM
internal clearance:	C0
series:	31
dynamic load capacity:	102 kN
thrust application warning:	This product can not be used in Thrust Applications
$d_1$	88.35 mm
$D_2$	121.3 mm
$D_3$	135.23 mm
$D_4$	149.7 mm
$r_0$ max.	0.6 mm
$r_{1,2}$ min.	2.1 mm



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$d_a$ min.	77 mm
$D_a$ max.	128 mm
$D_b$ min.	151 mm
$b_a$ min.	3.5 mm
$C_a$ max.	7.72 mm
$r_a$ max.	2 mm
Basic dynamic load rating C	102 kN
Basic static load rating $C_0$	90 kN
Fatigue load limit $P_u$	3.75 kN
Calculation factor $k_r$	0.05
Snap ring	SP 140