



# NRAT BEARING CO.,LTD.



7213 BEP Bearing 2D drawings and 3D CAD models

## 65 mm x 120 mm x 23 mm SKF 7213 BEP GERMANY Bearing 65\*120\*23

Bearing No. 7213 BEP

Size	120x65x23 mm
Bore Diameter	120 mm
Outer Diameter	65 mm
Width	23 mm
d	65 mm
D	120 mm
B	23 mm
d <sub>1</sub>	86.35 mm
d <sub>2</sub>	75.48 mm
D <sub>1</sub>	100 mm
a	50 mm
r <sub>1,2</sub> - min.	1.5 mm
r <sub>3,4</sub> - min.	1 mm
d <sub>a</sub> - min.	74 mm
D <sub>a</sub> - max.	111 mm
D <sub>b</sub> - max.	114 mm
r <sub>a</sub> - max.	1.5 mm
r <sub>b</sub> - max.	1 mm
Basic dynamic load rating - C	66.3 kN
Basic static load rating - C <sub>0</sub>	54 kN
Fatigue load limit - P <sub>u</sub>	2.3 kN
Reference speed	6300 r/min
Limiting speed	6300 r/min
Calculation factor - k <sub>r</sub>	0.095



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Calculation factor - $k_a$	1.4
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	1.011
EAN	7316576633515
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; 120MM



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	Outside Diameter; 23MM 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	7213 BEP
Weight / LBS	2.222
Bore	2.559 Inch   65 Millimeter
Width	0.906 Inch   23 Millimeter
Outside Diameter	4.724 Inch   120 Millimeter
bore diameter:	65 mm
maximum temperature:	257 ° F
outside diameter:	120 mm
cage material:	Polyamide 66
overall width:	23 mm
maximum rpm:	6300 rpm
contact angle:	40 °
finish/coating:	Uncoated
row type & fill slot:	Single-Row Non-Fill Slot
fillet radius:	1.5 mm
bore type:	Round
series:	7200
closure type:	Open
weight:	2.2 lbs
bearing material:	Steel
manufacturer product page:	<a href="#">Click here</a>



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radial dynamic load capacity:	66.3 kN
manufacturer upc number:	7316576633515
radial static load capacity:	54 kN
$d_1$	86.35 mm
$d_2$	75.48 mm
$D_1$	100 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1 mm
$d_a$ min.	74 mm
$D_a$ max.	111 mm
$D_b$ max.	114 mm
$r_a$ max.	1.5 mm
$r_b$ max.	1 mm
Basic dynamic load rating C	66.3 kN
Basic static load rating $C_0$	54 kN
Fatigue load limit $P_u$	2.28 kN
Calculation factor A	0.0478
Calculation factor $k_r$	0.095
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	1 kg