



NTN BEARING-BOWER CORP.



65 mm x 120 mm x 23 mm SKF 7213 BECBM
angular contact ball bearings

Bearing No. 7213 BECBM

7213 BECBM Bearing 2D drawings and 3D CAD models

Size	120x65x23 mm
Bore Diameter	120 mm
Outer Diameter	65 mm
Width	23 mm
d	65 mm
D	120 mm
B	23 mm
d ₁	86.35 mm
d ₂	75.48 mm
D ₁	100 mm
a	50 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	69.5 kN
Basic static load rating - C ₀	57 kN
Fatigue load limit - P _u	2.4 kN
Reference speed	6700 r/min
Limiting speed	6700 r/min
Calculation factor - k _r	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	1.1
EAN	7316577149800
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; 120MM Outside Diameter; 23MM 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	http://www.skf.com
Manufacturer Item Number	7213 BECBM
Weight / LBS	2.421
Bore	2.559 Inch 65 Millimeter
Width	0.906 Inch 23 Millimeter
Outside Diameter	4.724 Inch 120 Millimeter
bore diameter:	65 mm
radial static load capacity:	57 kN
outside diameter:	120 mm
cage material:	Brass
overall width:	23 mm
outer ring width:	23 mm
contact angle:	40 °
maximum rpm:	6700 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:	1.5 mm



NTN BEARING-BOWER CORP.

radial dynamic load capacity:	69.5 kN
series:	72
d_1	86.35 mm
d_2	75.48 mm
D_1	99.45 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	69.5 kN
Basic static load rating C_0	57 kN
Fatigue load limit P_u	2.45 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