



# NTNY BEARING LTD



7220 becbm Bearing 2D drawings and 3D CAD models

100 mm x 180 mm x 34 mm skf 7220 becbm bearing

Bearing No. 7220 becbm

Size	180x100x34 mm
Bore Diameter	180 mm
Outer Diameter	100 mm
Width	34 mm
d	100 mm
D	180 mm
B	34 mm
$d_1$	130.95 mm
$d_2$	115.22 mm
$D_1$	150.9 mm
a	76 mm
$r_{1,2}$ - min.	2.1 mm
$r_{3,4}$ - min.	1.1 mm
$d_a$ - min.	112 mm
$D_a$ - max.	168 mm
$D_b$ - max.	173 mm
$r_a$ - max.	2 mm
$r_b$ - max.	1 mm
Basic dynamic load rating - C	143 kN
Basic static load rating - $C_0$	134 kN
Fatigue load limit - $P_u$	4.8 kN
Reference speed	4500 r/min
Limiting speed	4500 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	3.61
EAN	7316577068576
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	100MM Bore; 180MM Outside Diameter; 34MM 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	7220 BECBM
Weight / LBS	7.959
Outside Diameter	7.087 Inch   180 Millimeter
Bore	3.937 Inch   100 Millimeter
Width	1.339 Inch   34 Millimeter
bore diameter:	100 mm
radial static load capacity:	134 kN
outside diameter:	180 mm
cage material:	Brass
overall width:	34 mm
outer ring width:	34 mm
contact angle:	40 °
maximum rpm:	4500 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:	2 mm



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radial dynamic load capacity:	143 kN
series:	72
$d_1$	130.95 mm
$d_2$	115.22 mm
$D_1$	150.9 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
$d_a$ min.	112 mm
$D_a$ max.	168 mm
$D_b$ max.	173 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
Basic dynamic load rating C	143 kN
Basic static load rating $C_0$	134 kN
Fatigue load limit $P_u$	4.75 kN
Calculation factor A	0.239
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	3.3 kg