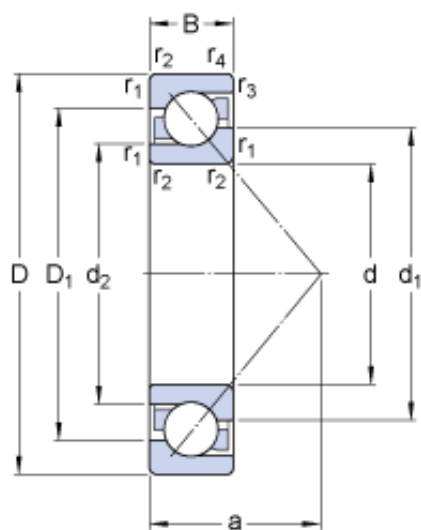




Bearing No. 7222 BECBY

a	84 mm
d	110 mm
D	200 mm
B	38 mm
Noun	Bearing
Bore	4.331 Inch 110 Millimeter
Width	1.496 Inch 38 Millimeter
UNSPSC	31171531
series:	72
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	200x110x38
Inventory	9.0
Width (mm)	38
Weight / LBS	10.472
maximum rpm:	3600 RPM
Flush Ground	Yes
Mass bearing	4.6 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₂	127.12 mm
d ₁	144.85 mm
D ₁	167.35 mm

Other Features	Normal Axial Internal Clearance
fillet radius:	2 mm
contact angle:	40 °
overall width:	38 mm
cage material:	Brass
bore diameter:	110 mm
Keyword String	Angular Contact
Bearing number	7222 BECBY
Limiting speed	3600 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Reference speed	3600 r/min
Long Description	110MM Bore; 200MM Outside Diameter; 38MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Outside Diameter	7.874 Inch 200 Millimeter
Manufacturer URL	http://www.skf.com
Weight / Kilogram	4.75
precision rating:	ABEC 3 (ISO Class 6)
outside diameter:	200 mm
Manufacturer Name	SKF
outer ring width:	38 mm
d _a min.	122 mm
Number of Bearings	1 (Single)
Bore Diameter (mm)	200
r _b max.	1 mm
r _a max.	2 mm

Internal Clearance	CB
D _b max.	193 mm
D _a max.	188 mm
internal clearance:	C0
Outer Diameter (mm)	110
r _{1,2} min.	2.1 mm
Calculation factor A	0.353
Calculation factor e	1.14
Calculation factor X	0.57
Mounting Arrangement	Universal
r _{3,4} min.	1.1 mm
r _b - max.	1 mm
r _a - max.	2 mm
D _b - max.	193 mm
d _a - min.	122 mm
Minimum Buy Quantity	N/A
D _a - max.	188 mm
D ₁ ?	167.35 mm
d ₂ ?	127.12 mm
d ₁ ?	144.85 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Calculation factor - e	1.14
r _{1,2} - min.	2.1 mm
r _{3,4} - min.	1.1 mm
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
Manufacturer Item Number	7222 BECBY
Basic dynamic load rating C	163 kN
radial static load capacity:	153 kN

radial dynamic load capacity:	163 kN
Basic dynamic load rating - C	163 kN
Maximum Capacity / Filling Slot	No
Calculation factor Y_0	0.52
Calculation factor Y_2	0.93
Calculation factor Y_1	0.55
Calculation factor k_r	0.095
Fatigue load limit P_u	5.3 kN
Calculation factor - k_r	0.095
Calculation factor - Y_0	0.26
Fatigue load limit - P_u	5.2 kN
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Calculation factor - k_a	1.4
Basic static load rating C_0	156 kN
Basic static load rating - C_0	153 kN