



Bearing No. 7234 BCBM

a	127 mm
d	170 mm
D	310 mm
B	52 mm
Noun	Bearing
Bore	6.693 Inch 170 Millimeter
Width	2.047 Inch 52 Millimeter
UNSPSC	31171531
series:	72
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	310x170x52
Inventory	0.0
Width (mm)	52
Weight / LBS	36.819
maximum rpm:	2400 RPM
Flush Ground	Yes
Mass bearing	17.5 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₁	227.4 mm
D ₁	261.25 mm
d ₂	202.05 mm

Bearing number	7234 BCBM
bore diameter:	170 mm
Other Features	Normal Axial Internal Clearance
Keyword String	Angular Contact
cage material:	Brass
Limiting speed	2400 r/min
overall width:	52 mm
contact angle:	40 °
fillet radius:	3 mm
Reference speed	2400 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Long Description	170MM Bore; 310MM Outside Diameter; 52MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Manufacturer URL	http://www.skf.com
Outside Diameter	12.205 Inch 310 Millimeter
precision rating:	ABEC 3 (ISO Class 6)
outer ring width:	52 mm
Manufacturer Name	SKF
outside diameter:	310 mm
Weight / Kilogram	16.72
r _b max.	1.5 mm
Bore Diameter (mm)	170
D _a max.	293 mm
D _b max.	301 mm
r _a max.	3 mm

d _a min.	187 mm
Internal Clearance	CB
Number of Bearings	1 (Single)
internal clearance:	C0
Outer Diameter (mm)	170
Calculation factor A	2
d _a - min.	187 mm
r _a - max.	3 mm
D _b - max.	301 mm
Mounting Arrangement	Universal
Minimum Buy Quantity	N/A
r _{1,2} min.	4 mm
D _a - max.	293 mm
r _{3,4} min.	1.5 mm
Calculation factor X	0.57
Calculation factor e	1.14
r _b - max.	1.5 mm
D ₁ ?	261.25 mm
d ₂ ?	202.05 mm
d ₁ ?	227.4 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Calculation factor - e	1.14
r _{1,2} - min.	4 mm
Harmonized Tariff Code	8482.10.50.28
r _{3,4} - min.	1.5 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7234 BCBM
Basic dynamic load rating C	281 kN
radial static load capacity:	345 kN

Basic dynamic load rating - C	281 kN
radial dynamic load capacity:	281 kN
Maximum Capacity / Filling Slot	No
Calculation factor k_r	0.08
Calculation factor Y_1	0.55
Calculation factor Y_2	0.93
Calculation factor Y_0	0.52
Fatigue load limit P_u	9.5 kN
Calculation factor - Y_2	0.57
Calculation factor - k_r	0.08
Calculation factor - Y_0	0.26
Calculation factor - Y_1	
Fatigue load limit - P_u	9.5 kN
Calculation factor - k_a	1.2
Basic static load rating C_0	345 kN
Basic static load rating - C_0	345 kN