



Bearing No. 7240 BCBM

D	360 mm
d	200 mm
B	58 mm
a	146 mm
Bore	7.874 Inch 200 Millimeter
Noun	Bearing
Width	2.283 Inch 58 Millimeter
UNSPSC	31171531
Category	Angular Contact Ball Bearing
Inventory	0.0
Enclosure	Open
Size (mm)	360x200x58
Snap Ring	No
Width (mm)	58
Flush Ground	Yes
Mass bearing	25 kg
Weight / LBS	55.116
Inch - Metric	Metric
Contact Angle	40 Degree
Cage Material	Brass
D ₁	300.8 mm
d ₂	235.1 mm
d ₁	263.3 mm
Product Group	B00308
Other Features	Normal Axial Internal Clearance
Keyword String	Angular Contact
Bearing number	7240 BCBM

Limiting speed	2000 r/min
Precision Class	ABEC 3 ISO P6
Rolling Element	Ball Bearing
Reference speed	2000 r/min
Outside Diameter	14.173 Inch 360 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	200MM Bore; 360MM Outside Diameter; 58MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Manufacturer Name	SKF
Weight / Kilogram	25.02
r_b max.	1.5 mm
Number of Bearings	1 (Single)
Internal Clearance	CB
r_a max.	3 mm
Bore Diameter (mm)	360
D_b max.	351 mm
D_a max.	343 mm
d_a min.	217 mm
Outer Diameter (mm)	200
r_b - max.	1.5 mm
$r_{1,2}$ min.	4 mm
Minimum Buy Quantity	N/A
Mounting Arrangement	Universal
r_a - max.	3 mm
Calculation factor A	3.2
D_b - max.	351 mm
D_a - max.	343 mm
d_a - min.	217 mm

Calculation factor e	1.14
Calculation factor X	0.57
$r_{3,4}$ min.	1.5 mm
D_1 ?	300.8 mm
d_2 ?	235.1 mm
d_1 ?	263.3 mm
Calculation factor - X	0.35
$r_{1,2}$ - min.	4 mm
Calculation factor - e	1.14
$r_{3,4}$ - min.	1.5 mm
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
Manufacturer Item Number	7240 BCBM
Basic dynamic load rating C	325 kN
Basic dynamic load rating - C	325 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	11 kN
Calculation factor k_r	0.08
Calculation factor Y_0	0.52
Calculation factor Y_2	0.93
Calculation factor Y_1	0.55
Fatigue load limit - P_u	11 kN
Calculation factor - k_r	0.08
Calculation factor - k_a	1.2
Calculation factor - Y_0	0.26
Calculation factor - Y_2	0.57
Calculation factor - Y_1	
Basic static load rating	430 kN

C ⁰	
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Basic static load rating - C_0	430 kN
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