



GARLOCK BEARINGS LTD



140 mm x 250 mm x 42 mm SKF 7228 BCBM Angular Contact Ball Bearings

Bearing No. 7228 BCBM

7228 BCBM Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	8.64
EAN	7316576650321
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
Long Description	140MM Bore; 250MM Outside Diameter; 42MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap



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	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	7228 BCBM
Weight / LBS	19.026
B	1.654 Inch 42 Millimeter
D	9.843 Inch 250 Millimeter
d	5.512 Inch 140 Millimeter
bore diameter:	140 mm
radial static load capacity:	212 kN
outside diameter:	250 mm
cage material:	Brass
overall width:	42 mm
outer ring width:	42 mm
contact angle:	40 °
maximum rpm:	3000 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:	2.5 mm
radial dynamic load capacity:	199 kN
series:	72
d	140 mm



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D	250 mm
B	42 mm
d ₁	183.3 mm
d ₂	163.6 mm
D ₁	209.55 mm
a	103 mm
r _{1,2} min.	3 mm
r _{3,4} min.	1.1 mm
d _a min.	154 mm
D _a max.	236 mm
D _b max.	243 mm
r _a max.	2.5 mm
r _b max.	1 mm
Basic dynamic load rating C	199 kN
Basic static load rating C ₀	212 kN
Fatigue load limit P _u	6.4 kN
Reference speed	3000 r/min
Limiting speed	3600 r/min
Calculation factor A	0.763
Calculation factor k _r	0.08
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	8.85 kg