



GARLOCK BEARINGS LTD



7228 BCBM Bearing 2D drawings and 3D CAD models

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

Bearing No. 7228 BCBM

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