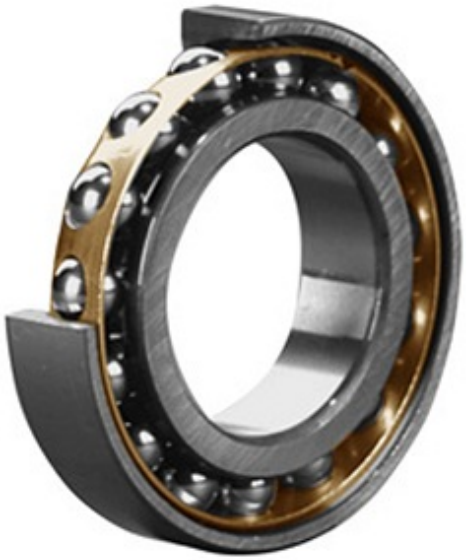
GARLOCK BEARINGS LTD



7212 BECBM Bearing 2D drawings and 3D CAD models

60 mm x 110 mm x 22 mm SKF 7212 BECBM Angular Contact Ball Bearings

Bearing No. 7212 BECBM

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.85
EAN	7316576633416
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	60MM Bore; 110MM Outside Diameter; 22MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 | ISO P6; No Filling Slot; No Snap

	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	7212 BECBM
Weight / LBS	1.866
D	4.331 Inch | 110 Millimeter
B	0.866 Inch | 22 Millimeter
d	2.362 Inch | 60 Millimeter
bore diameter:	60 mm
radial static load capacity:	50 kN
outside diameter:	110 mm
cage material:	Brass
overall width:	22 mm
outer ring width:	22 mm
contact angle:	40 °
maximum rpm:	7500 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:	1.5 mm
radial dynamic load capacity:	61 kN
series:	72
d	60 mm

D	110 mm
B	22 mm
$d_1 \approx$	79.6 mm
$d_2 \approx$	69.32 mm
$D_1 \approx$	91.55 mm
a	46 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1 mm
d_a min.	69 mm
D_a max.	101 mm
D_b max.	104 mm
r_a max.	1.5 mm
r_b max.	1 mm
Basic dynamic load rating C	61 kN
Basic static load rating C_0	50 kN
Fatigue load limit P_u	2.12 kN
Reference speed	7000 r/min
Limiting speed	9500 r/min
Calculation factor A	0.0344
Calculation factor k_r	0.095
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	0.8 kg