



GARLOCK BEARINGS LTD



50 mm x 110 mm x 27 mm SKF 7310 BEGAY Angular Contact Ball Bearings

Bearing No. 7310 BEGAY

7310 BEGAY Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.1
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	C0-Medium
Number of Bearings	1 (Single)
Preload	Light
Mounting Arrangement	Universal
Inch - Metric	Metric
Long Description	50MM Bore; 110MM Outside Diameter; 27MM 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
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	7310 BEGAY
Weight / LBS	2.425
d	1.969 Inch 50 Millimeter
B	1.063 Inch 27 Millimeter
D	4.331 Inch 110 Millimeter
bore diameter:	50 mm
radial static load capacity:	51 kN
outside diameter:	110 mm
cage material:	Brass
overall width:	27 mm
outer ring width:	27 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:	2 mm
radial dynamic load capacity:	74.1 kN
series:	73
d	50 mm
D	110 mm
B	27 mm



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d_1	73.8 mm
d_2	61.13 mm
D_1	88.8 mm
a	47 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
d_a min.	61 mm
D_a max.	99 mm
D_b max.	104 mm
r_a max.	2 mm
r_b max.	1 mm
Basic dynamic load rating C	74.1 kN
Basic static load rating C_0	51 kN
Fatigue load limit P_u	2.2 kN
Reference speed	7500 r/min
Limiting speed	7500 r/min
Calculation factor A	0.0456
Calculation factor k_r	0.1
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	1.1 kg