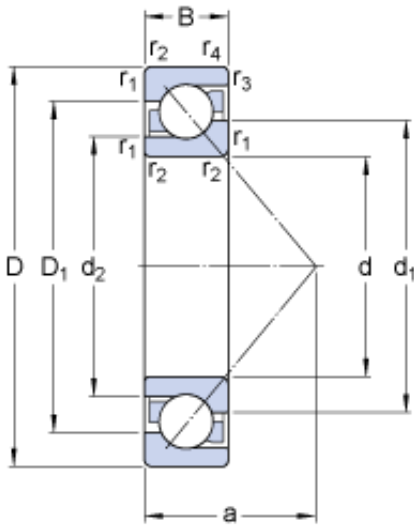




Bearing Manufacturing of America



7210 BECBY Bearing 2D drawings and 3D CAD models

50 mm x 90 mm x 20 mm 50 mm x 90 mm x 20 mm SKF 7210 BECBY angular contact ball bearings

Bearing No. 7210 BECBY

Size	90x50x20 mm
Bore Diameter	90 mm
Outer Diameter	50 mm
Width	20 mm
d	50 mm
D	90 mm
B	20 mm
d ₁	65.75 mm
d ₂	57.68 mm
D ₁	75.15 mm
a	39 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
d _a - min.	57 mm
D _a - max.	83 mm
D _b - max.	85.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	37.7 kN
Basic static load rating - C ₀	28.5 kN
Fatigue load limit - P _u	1.2 kN
Reference speed	8500 r/min
Limiting speed	8500 r/min



Bearing Manufacturing of America

Calculation factor - k_r	0.095
Calculation factor - k_a	1.4
Calculation factor - e	1.14
Calculation factor - X	0.57
Calculation factor - Y_0	0.52
Calculation factor - Y_1	0.55
Calculation factor - Y_2	0.93
Calculation factor - X	0.35
Calculation factor - Y_0	0.26
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Category	Angular Contact Ball Bearings
Inventory	2.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.49
EAN	7316576649950
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



Bearing Manufacturing of America

Inch - Metric	Metric
Long Description	50MM Bore; 90MM Outside Diameter; 20MM 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	7210 BECBY
Weight / LBS	1.082
Width	0.787 Inch 20 Millimeter
Bore	1.969 Inch 50 Millimeter
Outside Diameter	3.543 Inch 90 Millimeter
bore diameter:	50 mm
radial static load capacity:	28.5 kN
outside diameter:	90 mm
cage material:	Brass
overall width:	20 mm
outer ring width:	20 mm
contact angle:	40 °
maximum rpm:	8500 RPM
row type & fill slot:	Single-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	ABEC 3 (ISO Class 6)



Bearing Manufacturing of America

closure type:	Open
fillet radius:	1 mm
radial dynamic load capacity:	37.7 kN
series:	72
d_1	65.75 mm
d_2	57.68 mm
D_1	75.15 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	57 mm
D_a max.	83 mm
D_b max.	85.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	41.5 kN
Basic static load rating C_0	33.5 kN
Fatigue load limit P_u	1.4 kN
Calculation factor A	0.015
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	0.47 kg