



**Bearing No. 7310 BEGBP**

a	47 mm
d	50 mm
D	110 mm
B	27 mm
Bore	1.969 Inch   50 Millimeter
Noun	Bearing
Width	1.063 Inch   27 Millimeter
UNSPSC	31171531
weight:	2.43 lbs
Preload	Medium
series:	7300
Category	Angular Contact Ball Bearing
Inventory	0.0
Snap Ring	No
Size (mm)	110x50x27
Enclosure	Open
bore type:	Round
Width (mm)	27
Flush Ground	Yes
Weight / LBS	2.288
Mass bearing	1.1 kg
maximum rpm:	8000 rpm
Product Group	B00308
Inch - Metric	Metric
Contact Angle	40 Degree
Cage Material	Polymer
D <sub>1</sub>	88.8 mm
d <sub>2</sub>	61.13 mm

d <sub>1</sub>	73.8 mm
closure type:	Open
bore diameter:	50 mm
Keyword String	Angular Contact
overall width:	27 mm
contact angle:	40 °
fillet radius:	2 mm
cage material:	Polyamide 66
Bearing number	7310 BEGBP
Limiting speed	8000 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3   ISO P6
Reference speed	8000 r/min
Outside Diameter	4.331 Inch   110 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
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 Ring
Weight / Kilogram	1.04
bearing material:	Steel
outside diameter:	110 mm
Manufacturer Name	SKF
d <sub>a</sub> min.	61 mm
Number of Bearings	1 (Single)
Internal Clearance	C0-Medium
Bore Diameter (mm)	110
r <sub>b</sub> max.	1 mm

$r_a$ max.	2 mm
$D_b$ max.	104 mm
$D_a$ max.	99 mm
Outer Diameter (mm)	50
$r_{3,4}$ min.	1 mm
$D_b$ - max.	104 mm
Calculation factor X	0.57
Mounting Arrangement	Universal
$d_a$ - min.	61 mm
Minimum Buy Quantity	N/A
$D_a$ - max.	99 mm
$r_a$ - max.	2 mm
$r_{1,2}$ min.	2 mm
$r_b$ - max.	1 mm
Calculation factor e	1.14
maximum temperature:	257 °F
Calculation factor A	0.0418
row type & fill slot:	Single-Row Non-Fill Slot
$d_1$ ?	73.8 mm
$d_2$ ?	61.13 mm
$D_1$ ?	88.8 mm
$r_{1,2}$ - min.	2 mm
$r_{3,4}$ - min.	1 mm
Calculation factor - e	1.14
Calculation factor - X	0.35
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
manufacturer upc number:	7316577150653
Manufacturer Item Number	7310 BEGBP
manufacturer product page:	<a href="#">Click here</a>

Basic dynamic load rating C	75 kN
radial static load capacity:	51 kN
radial dynamic load capacity:	75 kN
Basic dynamic load rating - C	75 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	2.16 kN
Calculation factor $k_r$	0.1
Calculation factor $Y_0$	0.52
Calculation factor $Y_2$	0.93
Calculation factor $Y_1$	0.55
Calculation factor - $Y_2$	0.57
Calculation factor - $k_r$	0.1
Fatigue load limit - $P_u$	2.2 kN
Calculation factor - $k_a$	1.6
Calculation factor - $Y_0$	0.26
Calculation factor - $Y_1$	
Basic static load rating $C_0$	51 kN
Basic static load rating - $C_0$	51 kN