



Bearing No. 7310 BEGAPH

D	110 mm
d	50 mm
B	27 mm
a	47 mm
Bore	1.969 Inch 50 Millimeter
Noun	Bearing
Width	1.063 Inch 27 Millimeter
UNSPSC	31171531
Preload	Light
Category	Angular Contact Ball Bearing
Inventory	0.0
Enclosure	Open
Size (mm)	110x50x27
Snap Ring	No
Width (mm)	27
Flush Ground	Yes
Mass bearing	1.1 kg
Contact Angle	40 Degree
Cage Material	PEEK
Inch - Metric	Metric
D ₁	88.8 mm
d ₂	61.13 mm
d ₁	73.8 mm
Product Group	B00308
Keyword String	Angular Contact
Bearing number	7310 BEGAPH
Limiting speed	8000 r/min

Precision Class	ABEC 1 ISO P0
Reference speed	8000 r/min
Rolling Element	Ball Bearing
Outside Diameter	4.331 Inch 110 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	50MM Bore; 110MM Outside Diameter; 27MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; C0-Medium; PEEK Cage; 40 Degree; 1 (Single); L
Manufacturer Name	SKF
Weight / Kilogram	1.07
d_a min.	61 mm
D_a max.	99 mm
Number of Bearings	1 (Single)
D_b max.	104 mm
Internal Clearance	C0-Medium
r_a max.	2 mm
r_b max.	1 mm
Bore Diameter (mm)	110
Outer Diameter (mm)	50
r_b - max.	1 mm
r_a - max.	2 mm
$r_{1,2}$ min.	2 mm
Minimum Buy Quantity	N/A
D_b - max.	104 mm
Mounting Arrangement	Universal
D_a - max.	99 mm
Calculation factor A	0.0418

d_a - min.	61 mm
Calculation factor e	1.14
Calculation factor X	0.57
$r_{3,4}$ min.	1 mm
D_1 ?	88.8 mm
d_2 ?	61.13 mm
d_1 ?	73.8 mm
Calculation factor - e	1.14
$r_{3,4}$ - min.	1 mm
Calculation factor - X	0.35
Harmonized Tariff Code	8482.10.50.28
$r_{1,2}$ - min.	2 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7310 BEGAPH
Basic dynamic load rating C	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
Fatigue load limit - P_u	2.2 kN
Calculation factor - k_r	0.1
Calculation factor - k_a	1.6
Calculation factor - Y_2	0.57
Calculation factor - Y_1	
Calculation factor - Y_0	0.26

Basic static load rating C_0	51 kN
Basic static load rating - C_0	51 kN