



7212 bep Bearing 2D drawings and 3D CAD models

60 mm x 110 mm x 22 mm skf 7212 bep bearing

Bearing No. 7212 bep

Size	110x60x22 mm
Bore Diameter	110 mm
Outer Diameter	60 mm
Width	22 mm
d	60 mm
D	110 mm
B	22 mm
d ₁	79.6 mm
d ₂	69.32 mm
D ₁	91.55 mm
a	47 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	57.2 kN
Basic static load rating - C ₀	45.5 kN
Fatigue load limit - P _u	1.9 kN
Reference speed	7000 r/min
Limiting speed	7000 r/min
Calculation factor - k _r	0.095
Calculation factor - k _a	1.4



PRECISION BEARING CORP.

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	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.78
EAN	7316576633454
Product Group	B00308
Enclosure	Open
Flush Ground	No
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	Polymer
Contact Angle	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	60MM Bore; 110MM Outside Diameter; 22MM



PRECISION BEARING CORP.

	Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap 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	7212 BEP
Weight / LBS	1.713
Bore	2.362 Inch 60 Millimeter
Width	0.866 Inch 22 Millimeter
Outside Diameter	4.331 Inch 110 Millimeter
bore diameter:	60 mm
radial static load capacity:	45.5 kN
outside diameter:	110 mm
cage material:	Nylon
overall width:	22 mm
outer ring width:	22 mm
contact angle:	40 °
maximum rpm:	7000 RPM
row type & fill slot:	Single-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
fillet radius:	1.5 mm
radial dynamic load capacity:	57.2 kN
series:	72

PRECISION BEARING CORP.

d_1	79.6 mm
d_2	69.32 mm
D_1	91.55 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	57.2 kN
Basic static load rating C_0	45.5 kN
Fatigue load limit P_u	1.93 kN
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