

2222 SKF Other Features

Allowable Misalignment 2.5 Deg

110x200x53mm Self aligning ball bearings

Bearing number	2222
Size (mm)	110x200x53
Brand	SKF
Bore Diameter (mm)	110
Outer Diameter (mm)	200
Width (mm)	53
d	110 mm
D	200 mm
B	53 mm
C	53 mm
d2	137 mm
r1 min.	2.1 mm
r2 min.	2.1 mm
D1	177 mm
da min.	122 mm
Da max.	188 mm
ra max.	2 mm
Weight	7.1 Kg
Basic dynamic load rating (C)	124 kN
Basic static load rating (C0)	52 kN
Fatigue load limit (Pu)	2.12
Reference speed	6000 r/min

Limiting speed	4300 r/min
Calculation factor (e)	0.28
Calculation factor (kr)	0.04
Calculation factor (Y0)	2.5
Calculation factor (Y1)	2.2
Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	7.254
Product Group – BDI	B00152
Mounting Method	Shaft
Enclosure	Open
Rolling Element	Ball Bearing
Cage Material	Steel
Precision Class	ABEC 1 ISO P0
Internal Clearance	C0-Medium
Number of Rows of Balls	Double Row
Other Features	Allowable Misalignment 2.5 Deg
Long Description	110MM Bore; Shaft Mount; 200MM Outside Diameter; 53MM Inner Race Width; 53MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
Inch – Metric	Metric
Category – BDI	Self Aligning Ball Bearings
UNSPSC	31171532
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing

Keyword String	Self Aligning
Manufacturer URL	http://www.skf.com
Outer Race Width	2.087 Inch 53 Millimeter
Bore	4.331 Inch 110 Millimeter
Outside Diameter	7.874 Inch 200 Millimeter
Inner Race Width	2.087 Inch 53 Millimeter
$d_1 \approx$	138.5 mm
$D_1 \approx$	174.3 mm
$r_{1,2} \text{ min.}$	2.1 mm
$d_a \text{ min.}$	122 mm
$D_a \text{ max.}$	188 mm
$r_a \text{ max.}$	2 mm
Basic dynamic load rating C	124 kN
Basic static load rating C_0	52 kN
Fatigue load limit P_u	2.12 kN
Permissible angular misalignment α	2.5 °
Calculation factor k_r	0.04
Calculation factor e	0.28
Calculation factor Y_0	2.5
Calculation factor Y_1	2.2
Calculation factor Y_2	3.5
Mass bearing	7.1 kg