

2310 SKF Bore 1.969 Inch | 50 Millimeter 50x110x40mm Self aligning ball bearings

Bearing number	2310
Size (mm)	50x110x40
Brand	SKF
Bore Diameter (mm)	50
Outer Diameter (mm)	110
Width (mm)	40
d	50 mm
D	110 mm
B	40 mm
C	40 mm
d2	65.8 mm
r1 min.	2 mm
r2 min.	2 mm
D1	94.4 mm
da min.	61 mm
Da max.	99 mm
ra max.	2 mm
Weight	1.65 Kg
Basic dynamic load rating (C)	63.7 kN
Basic static load rating (C0)	20 kN
Fatigue load limit (Pu)	1.04
Reference speed	14000 r/min
Limiting speed	9500 r/min
Calculation factor (e)	0.43

Calculation factor (kr)	0.05
Calculation factor (Y0)	1.6
Calculation factor (Y1)	1.5
Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.663
EAN	7316576605147
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 3 Deg
Long Description	50MM Bore; Shaft Mount; 110MM Outside Diameter; 40MM Inner Race Width; 40MM 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
Manufacturer Item Number	2310
Weight / LBS	3.664
Bore	1.969 Inch 50 Millimeter
Outside Diameter	4.331 Inch 110 Millimeter
Inner Race Width	1.575 Inch 40 Millimeter
Outer Race Width	1.575 Inch 40 Millimeter
bore diameter:	50 mm
static load capacity:	20 kN
outside diameter:	110 mm
precision rating:	Not Rated
overall width:	40 mm
maximum rpm:	9500 RPM
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	40 mm
internal clearance:	C0
fillet radius:	1.1 mm
dynamic load capacity:	63.7 kN
series:	2300
$d_1 \approx$	66 mm
$D_1 \approx$	92.5 mm
$r_{1,2} \text{ min.}$	2 mm
$d_a \text{ min.}$	61 mm
$D_a \text{ max.}$	99 mm
$r_a \text{ max.}$	2 mm
Basic dynamic load rating C	63.7 kN

Basic static load rating C_0	20 kN
Fatigue load limit P_u	1.04 kN
Permissible angular misalignment α	3 °
Calculation factor k_r	0.05
Calculation factor e	0.43
Calculation factor Y_0	1.6
Calculation factor Y_1	1.5
Calculation factor Y_2	2.3
Mass bearing	1.65 kg