

# 2311 SKF 55x120x43mm overall width: 43 mm Self aligning ball bearings

Bearing number	2311
Size (mm)	55x120x43
Brand	SKF
Bore Diameter (mm)	55
Outer Diameter (mm)	120
Width (mm)	43
d	55 mm
D	120 mm
B	43 mm
C	43 mm
d2	72 mm
r1 min.	2 mm
r2 min.	2 mm
D1	103 mm
da min.	66 mm
Da max.	109 mm
ra max.	2 mm
Weight	2.1 Kg
Basic dynamic load rating (C)	76.1 kN
Basic static load rating (C0)	24 kN
Fatigue load limit (Pu)	1.25
Reference speed	11000 r/min
Limiting speed	7500 r/min
Calculation factor (e)	0.4

Calculation factor (kr)	0.05
Calculation factor (Y0)	1.6
Calculation factor (Y1)	1.6
Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.142
EAN	7316576605215
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	55MM Bore; Shaft Mount; 120MM Outside Diameter; 43MM Inner Race Width; 43MM 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	2311
Weight / LBS	4.718
Outside Diameter	4.724 Inch   120 Millimeter
Bore	2.165 Inch   55 Millimeter
Inner Race Width	1.693 Inch   43 Millimeter
Outer Race Width	1.693 Inch   43 Millimeter
bore diameter:	55 mm
static load capacity:	24 kN
outside diameter:	120 mm
precision rating:	Not Rated
overall width:	43 mm
maximum rpm:	7500 RPM
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	43 mm
internal clearance:	C0
fillet radius:	2 mm
dynamic load capacity:	76.1 kN
series:	2300
$d_1 \approx$	72 mm
$D_1 \approx$	101 mm
$r_{1,2} \text{ min.}$	2 mm
$d_a \text{ min.}$	66 mm
$D_a \text{ max.}$	109 mm
$r_a \text{ max.}$	2 mm
Basic dynamic load rating C	76.1 kN

Basic static load rating $C_0$	24 kN
Fatigue load limit $P_u$	1.25 kN
Permissible angular misalignment $\alpha$	3 °
Calculation factor $k_r$	0.05
Calculation factor $e$	0.4
Calculation factor $Y_0$	1.6
Calculation factor $Y_1$	1.6
Calculation factor $Y_2$	2.4
Mass bearing	2.1 kg