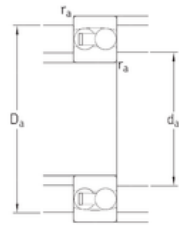


Cylindrical bore



Tapered bore



## Bearing No. 2311

B	43 mm
C	43 mm
d	55 mm
D	120 mm
d2	72 mm
D1	103 mm
Bore	2.165 Inch   55 Millimeter
Noun	Bearing
Weight	2,1 Kg
UNSPSC	31171532
r1 min.	2 mm
r2 min.	2 mm
series:	2300
da min.	66 mm
ra max.	2 mm
Da max.	109 mm
Category	Self Aligning Ball Bearings
Enclosure	Open
Size (mm)	55x120x43
Inventory	0.0
bore type:	Straight
Width (mm)	43
Weight / LBS	4.718
maximum rpm:	7500 RPM
Mass bearing	2.1 kg
Product Group	B00152
Cage Material	Steel
closure type:	Open
Inch - Metric	Metric

Bearing number	2311
overall width:	43 mm
Keyword String	Self Aligning
Limiting speed	7500 r/min
bore diameter:	55 mm
Other Features	Allowable Misalignment 3 Deg
fillet radius:	2 mm
finish/coating:	Uncoated
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
Mounting Method	Shaft
Reference speed	11000 r/min
Outside Diameter	4.724 Inch   120 Millimeter
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
Outer Race Width	1.693 Inch   43 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Inner Race Width	1.693 Inch   43 Millimeter
Weight / Kilogram	2.142
outside diameter:	120 mm
outer ring width:	43 mm
precision rating:	Not Rated
Manufacturer Name	SKF
Bore Diameter (mm)	55
r <sub>a</sub> max.	2 mm

$D_a$ max.	109 mm
$d_a$ min.	66 mm
Internal Clearance	C0-Medium
Outer Diameter (mm)	120
internal clearance:	C0
Calculation factor e	0.4
$r_{1,2}$ min.	2 mm
Minimum Buy Quantity	N/A
$d_1$ ?	72 mm
static load capacity:	24 kN
$D_1$ ?	101 mm
Calculation factor (e)	0,4
Harmonized Tariff Code	8482.10.50.68
dynamic load capacity:	76.1 kN
Calculation factor (kr)	0,05
Calculation factor (Y1)	1,6
Calculation factor (Y0)	1,6
Fatigue load limit (Pu)	1,25
Number of Rows of Balls	Double Row
Manufacturer Item Number	2311
Basic dynamic load rating C	76.1 kN
Basic static load rating (C0)	24 kN
Basic dynamic load rating (C)	76,1 kN
Fatigue load limit $P_u$	1.25 kN
Calculation factor $k_r$	0.05
Calculation factor $Y_0$	1.6
Calculation factor $Y_1$	1.6
Calculation factor $Y_2$	2.4
Permissible angular misalignment ?	3 °

Basic static load rating $C_0$	24 kN
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