

1222 SKF 110x200x38mm Manufacturer Name SKF Self aligning ball bearings

Bearing number	1222
Size (mm)	110x200x38
Brand	SKF
Bore Diameter (mm)	110
Outer Diameter (mm)	200
Width (mm)	38
d	110 mm
D	200 mm
B	38 mm
C	38 mm
d2	140 mm
r1 min.	2.1 mm
r2 min.	2.1 mm
D1	176 mm
da min.	122 mm
Da max.	188 mm
ra max.	2 mm
Weight	5.15 Kg
Basic dynamic load rating (C)	88.4 kN
Basic static load rating (C0)	39 kN
Fatigue load limit (Pu)	1.6
Reference speed	6700 r/min
Limiting speed	4300 r/min
Calculation factor (e)	0.17

Calculation factor (kr)	0.04
Calculation factor (Y0)	4
Calculation factor (Y1)	3.7
Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	5.25
EAN	7316576605499
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	110MM Bore; Shaft Mount; 200MM Outside Diameter; 38MM Inner Race Width; 38MM 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	1222
Weight / LBS	11.563
Outer Race Width	1.496 Inch 38 Millimeter
Outside Diameter	7.874 Inch 200 Millimeter
Bore	4.331 Inch 110 Millimeter
Inner Race Width	1.496 Inch 38 Millimeter
bore diameter:	110 mm
precision rating:	Not Rated
outside diameter:	200 mm
maximum rpm:	4300 RPM
overall width:	38 mm
cage material:	Steel
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	38 mm
internal clearance:	C0
fillet radius:	2 mm
dynamic load capacity:	88.4 kN
series:	1200
static load capacity:	39 kN
$d_1 \approx$	140.35 mm
$D_1 \approx$	173.7 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	88.4 kN
Basic static load rating C_0	39 kN
Fatigue load limit P_u	1.6 kN
Permissible angular misalignment α	2.5 °
Calculation factor k_r	0.04
Calculation factor e	0.17
Calculation factor Y_0	4
Calculation factor Y_1	3.7
Calculation factor Y_2	5.7
Mass bearing	5.15 kg