



Bearing No. 1320

D	215 mm
d	100 mm
B	47 mm
Noun	Bearing
Bore	3.937 Inch 100 Millimeter
UNSPSC	31171532
series:	1300
Category	Self Aligning Ball Bearings
Enclosure	Open
Inventory	0.0
Size (mm)	215x100x47
Width (mm)	47
bore type:	Straight
maximum rpm:	4000 RPM
Weight / LBS	18.576
Mass bearing	8.3 kg
Product Group	B00152
closure type:	Open
C ₁	2.469 mm
D ₁	181.9 mm
Inch - Metric	Metric
d ₁	136 mm
C ₁	2.469 mm
Cage Material	Steel
bore diameter:	100 mm
cage material:	Steel
Keyword String	Self Aligning
fillet radius:	3 mm

Other Features	Allowable Misalignment 3 Deg
overall width:	47 mm
Bearing number	1320
Limiting speed	4000 r/min
Mounting Method	Shaft
Reference speed	6000 r/min
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Manufacturer URL	http://www.skf.com
Long Description	100MM Bore; Shaft Mount; 215MM Outside Diameter; 47MM Inner Race Width; 47MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
Inner Race Width	1.85 Inch 47 Millimeter
Outer Race Width	1.85 Inch 47 Millimeter
Outside Diameter	8.465 Inch 215 Millimeter
Manufacturer Name	SKF
outside diameter:	215 mm
outer ring width:	47 mm
Weight / Kilogram	8.434
precision rating:	Not Rated
r _a max.	3 mm
D _a max.	201 mm
d _a min.	114 mm
Internal Clearance	C0-Medium
Bore Diameter (mm)	215
internal clearance:	C0

Outer Diameter (mm)	100
Calculation factor e	0.23
$r_{1,2}$ min.	3 mm
d_a - min.	114 mm
r_a - max.	3 mm
D_a - max.	201 mm
Minimum Buy Quantity	N/A
static load capacity:	57 kN
D_1 ?	181.9 mm
d_1 ?	136 mm
Calculation factor - e	0.23
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	3 mm
dynamic load capacity:	143 kN
Number of Rows of Balls	Double Row
Manufacturer Item Number	1320
Basic dynamic load rating C	143 kN
Basic dynamic load rating - C	143 kN
Fatigue load limit P_u	2.36 kN
Calculation factor Y_2	4.2
Calculation factor Y_1	2.7
Calculation factor Y_0	2.8
Calculation factor k_r	0.045
Calculation factor - k_r	0.045
Calculation factor - Y_2	4.2
Calculation factor - Y_0	2.8
Fatigue load limit - P_u	2.4 kN
Calculation factor - Y_1	2.7
Permissible angular misalignment ?	3 °

Basic static load rating C_0	57 kN
Basic static load rating - C_0	57 kN