



Bearing No. 2220

D	180 mm
d	100 mm
B	46 mm
Bore	3.937 Inch 100 Millimeter
Noun	Bearing
UNSPSC	31171532
Category	Self Aligning Ball Bearings
Inventory	0.0
Enclosure	Open
Size (mm)	180x100x46
Width (mm)	46
Mass bearing	5 kg
Inch - Metric	Metric
Cage Material	Steel
d ₁	124 mm
Product Group	B00152
D ₁	156.9 mm
Other Features	Allowable Misalignment 2.5 Deg
Keyword String	Self Aligning
Bearing number	2220
Limiting speed	4800 r/min
Rolling Element	Ball Bearing
Reference speed	6700 r/min
Precision Class	ABEC 1 ISO P0
Mounting Method	Shaft
Manufacturer URL	http://www.skf.com
Outside Diameter	7.087 Inch 180 Millimeter

Inner Race Width	1.811 Inch 46 Millimeter
Long Description	100MM Bore; Shaft Mount; 180MM Outside Diameter; 46MM Inner Race Width; 46MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
Outer Race Width	1.811 Inch 46 Millimeter
Manufacturer Name	SKF
Weight / Kilogram	0
d_a min.	112 mm
Bore Diameter (mm)	180
Internal Clearance	C0-Medium
D_a max.	168 mm
r_a max.	2 mm
Outer Diameter (mm)	100
$r_{1,2}$ min.	2.1 mm
Minimum Buy Quantity	N/A
r_a - max.	2 mm
D_a - max.	168 mm
d_a - min.	112 mm
Calculation factor e	0.27
d_1 ?	124 mm
D_1 ?	156.9 mm
Calculation factor - e	0.27
$r_{1,2}$ - min.	2.1 mm
Harmonized Tariff Code	8482.10.50.68
Number of Rows of Balls	Double Row
Basic dynamic load rating C	97.5 kN
Basic dynamic load	97.5 kN

rating - C	
Calculation factor k_r	0.04
Calculation factor Y_2	3.6
Calculation factor Y_1	2.3
Calculation factor Y_0	2.5
Fatigue load limit P_u	1.76 kN
Calculation factor - Y_1	2.3
Calculation factor - Y_0	2.5
Calculation factor - Y_2	3.6
Calculation factor - k_r	0.04
Fatigue load limit - P_u	1.8 kN
Permissible angular misalignment ?	2.5 °
Basic static load rating C_0	40.5 kN
Basic static load rating - C_0	40.5 kN