

2214 SKF 125x70x31mm Minimum Buy Quantity N/A Self aligning ball bearings

Bearing number	2214
Size (mm)	125x70x31
Brand	SKF
Bore Diameter (mm)	125
Outer Diameter (mm)	70
Width (mm)	31
d	70 mm
D	125 mm
B	31 mm
d_1	88 mm
D_1	109 mm
$r_{1,2} - \text{min.}$	1.5 mm
$d_a - \text{min.}$	79 mm
$D_a - \text{max.}$	116 mm
$r_a - \text{max.}$	1.5 mm
Basic dynamic load rating – C	44.2 kN
Basic static load rating – C_0	17 kN
Fatigue load limit – P_u	0.88 kN
Reference speed	10000 r/min
Limiting speed	6700 r/min
Calculation factor – k_r	0.04
Calculation factor – e	0.27

Calculation factor – Y_0	2.5
Calculation factor – Y_1	2.3
Calculation factor – Y_2	3.6
Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.574
EAN	7316576605741
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	70MM Bore; Shaft Mount; 125MM Outside Diameter; 31MM Inner Race Width; 31MM 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	2214
Weight / LBS	3.466
Bore	2.756 Inch 70 Millimeter
Outer Race Width	1.22 Inch 31 Millimeter
Outside Diameter	4.921 Inch 125 Millimeter
Inner Race Width	1.22 Inch 31 Millimeter
bore diameter:	70 mm
static load capacity:	17 kN
outside diameter:	125 mm
precision rating:	Not Rated
overall width:	31 mm
maximum rpm:	6700 RPM
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	31 mm
internal clearance:	C0
fillet radius:	1.5 mm
dynamic load capacity:	44.2 kN
series:	2200
$d_1 \approx$	88 mm
$D_1 \approx$	109 mm
$r_{1,2} \text{ min.}$	1.5 mm
$d_a \text{ min.}$	79 mm
$D_a \text{ max.}$	116 mm
$r_a \text{ max.}$	1.5 mm

Basic dynamic load rating C	44.2 kN
Basic static load rating C_0	17 kN
Fatigue load limit P_u	0.88 kN
Permissible angular misalignment α	2.5 °
Calculation factor k_r	0.04
Calculation factor e	0.27
Calculation factor Y_0	2.5
Calculation factor Y_1	2.3
Calculation factor Y_2	3.6
Mass bearing	1.5 kg