

1314 SKF closure type: Open 150x70x35mm Self aligning ball bearings

Bearing number	1314
Size (mm)	150x70x35
Brand	SKF
Bore Diameter (mm)	150
Outer Diameter (mm)	70
Width (mm)	35
d	70 mm
D	150 mm
B	35 mm
d_1	97.5 mm
D_1	126.8 mm
$r_{1,2} - \text{min.}$	2.1 mm
$d_a - \text{min.}$	82 mm
$D_a - \text{max.}$	138 mm
$r_a - \text{max.}$	2 mm
Basic dynamic load rating – C	74.1 kN
Basic static load rating – C_0	27.5 kN
Fatigue load limit – P_u	1.3 kN
Reference speed	8500 r/min
Limiting speed	6000 r/min
Calculation factor – k_r	0.045
Calculation factor – e	0.22

Calculation factor – Y ₀	2.8
Calculation factor – Y ₁	2.9
Calculation factor – Y ₂	4.5
Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	3.057
EAN	7316576605086
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; 150MM Outside Diameter; 35MM Inner Race Width; 35MM 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	1314
Weight / LBS	6.733
Bore	2.756 Inch 70 Millimeter
Inner Race Width	1.378 Inch 35 Millimeter
Outside Diameter	5.906 Inch 150 Millimeter
Outer Race Width	1.378 Inch 35 Millimeter
bore diameter:	70 mm
precision rating:	Not Rated
outside diameter:	150 mm
maximum rpm:	6000 RPM
overall width:	35 mm
cage material:	Steel
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	35 mm
internal clearance:	C0
fillet radius:	2 mm
dynamic load capacity:	74.1 kN
series:	1300
static load capacity:	27.5 kN
$d_1 \approx$	97.5 mm
$D_1 \approx$	126.8 mm
$r_{1,2} \text{ min.}$	2.1 mm
$d_a \text{ min.}$	82 mm
$D_a \text{ max.}$	138 mm

r_a max.	2 mm
Basic dynamic load rating C	74.1 kN
Basic static load rating C_0	27.5 kN
Fatigue load limit P_u	1.34 kN
Permissible angular misalignment α	3 °
Calculation factor k_r	0.045
Calculation factor e	0.22
Calculation factor Y_0	2.8
Calculation factor Y_1	2.9
Calculation factor Y_2	4.5
Mass bearing	3 kg