

16014 SKF 110x70x13mm bore type: Round Deep groove ball bearings

Bearing number	16014
Size (mm)	110x70x13
Brand	SKF
Bore Diameter (mm)	110
Outer Diameter (mm)	70
Width (mm)	13
d	70 mm
D	110 mm
B	13 mm
d ₁	83.3 mm
D ₁	96.75 mm
r _{1,2} – min.	0.6 mm
d _a – min.	73.2 mm
D _a – max.	106 mm
r _a – max.	0.6 mm
Basic dynamic load rating – C	29.1 kN
Basic static load rating – C ₀	25 kN
Fatigue load limit – P _u	1.1 kN
Reference speed	13000 r/min
Limiting speed	8000 r/min
Calculation factor – k _r	0.02
Calculation factor – f ₀	16.3

Category	Single Row Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.46
EAN	7316577015914
Product Group – BDI	B00308
Enclosure	Open
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch – Metric	Metric
Long Description	70MM Bore; 110MM Outside Diameter; 13MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Category – BDI	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	16014
Weight / LBS	1.014

Outside Diameter	4.331 Inch 110 Millimeter
Bore	2.756 Inch 70 Millimeter
Outer Race Width	0.512 Inch 13 Millimeter
bore diameter:	70 mm
static load capacity:	25 kN
outside diameter:	110 mm
precision rating:	Not Rated
overall width:	13 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	13 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.6 mm
snap ring included:	Without Snap Ring
maximum rpm:	8000 RPM
internal clearance:	C0
series:	16
dynamic load capacity:	29.1 kN
$d_1 \approx$	83.3 mm
$D_1 \approx$	96.75 mm
$r_{1,2} \text{ min.}$	0.6 mm
$d_a \text{ min.}$	73.2 mm
$D_a \text{ max.}$	106 mm
$r_a \text{ max.}$	0.6 mm
Basic dynamic load rating C	29.1 kN
Basic static load rating C_0	25 kN

Fatigue load limit P_u	1.06 kN
Calculation factor k_r	0.02
Calculation factor f_θ	16.3
Mass bearing	0.44 kg