



**Bearing No. 6014**

D	110 mm
d	70 mm
B	20 mm
Bore	2.756 Inch   70 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	60
Category	Single Row Ball Bearing
Enclosure	Open
Inventory	0.0
Size (mm)	110x70x20
Snap Ring	No
Width (mm)	20
bore type:	Round
Weight / LBS	1.4
Mass bearing	0.61 kg
maximum rpm:	8000 RPM
closure type:	Open
D <sub>2</sub>	99.9 mm
d <sub>1</sub>	82.85 mm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
bore diameter:	70 mm
cage material:	Steel
Keyword String	Ball
fillet radius:	1 mm
overall width:	20 mm
Bearing number	6014

Limiting speed	8000 r/min
finish/coating:	Uncoated
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
Reference speed	13000 r/min
Outer Race Width	0.787 Inch   20 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	4.331 Inch   110 Millimeter
Long Description	70MM Bore; 110MM Outside Diameter; 20MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Manufacturer Name	SKF
Weight / Kilogram	0.64
outer ring width:	20 mm
precision rating:	Not Rated
outside diameter:	110 mm
Internal Clearance	C0-Medium
D <sub>a</sub> max.	104 mm
Bore Diameter (mm)	110
d <sub>a</sub> min.	76 mm
r <sub>a</sub> max.	1 mm
internal clearance:	C0
snap ring included:	Without Snap Ring
Outer Diameter (mm)	70
Minimum Buy Quantity	N/A
r <sub>a</sub> - max.	1 mm
D <sub>a</sub> - max.	104 mm
d <sub>a</sub> - min.	76 mm

r <sub>1,2</sub> min.	1.1 mm
static load capacity:	31 kN
d <sub>1</sub> ?	82.85 mm
D <sub>2</sub> ?	99.9 mm
row type & fill slot:	Single Row Non-Fill Slot
dynamic load capacity:	39.7 kN
Harmonized Tariff Code	8482.10.50.68
r <sub>1,2</sub> - min.	1.1 mm
Manufacturer Item Number	6014
Internal Special Features	No
Basic dynamic load rating C	39.7 kN
Basic dynamic load rating - C	39.7 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P <sub>u</sub>	1.32 kN
Calculation factor k <sub>r</sub>	0.025
Calculation factor f <sub>0</sub>	15.6
Fatigue load limit - P <sub>u</sub>	1.3 kN
Calculation factor - k <sub>r</sub>	0.025
Calculation factor - f <sub>0</sub>	15.6
Basic static load rating C <sub>0</sub>	31 kN
Basic static load rating - C <sub>0</sub>	31 kN