

# 16013 SKF 100x65x11mm outer ring width: 11 mm Deep groove ball bearings

Bearing number	16013
Size (mm)	100x65x11
Brand	SKF
Bore Diameter (mm)	100
Outer Diameter (mm)	65
Width (mm)	11
d	65 mm
D	100 mm
B	11 mm
d <sub>1</sub>	76.5 mm
D <sub>1</sub>	88.35 mm
r <sub>1,2</sub> – min.	0.6 mm
d <sub>a</sub> – min.	68.2 mm
D <sub>a</sub> – max.	96.8 mm
r <sub>a</sub> – max.	0.6 mm
Basic dynamic load rating – C	22.5 kN
Basic static load rating – C <sub>0</sub>	19.6 kN
Fatigue load limit – P <sub>u</sub>	0.83 kN
Reference speed	14000 r/min
Limiting speed	9000 r/min
Calculation factor – k <sub>r</sub>	0.02
Calculation factor – f <sub>0</sub>	16.3

Category	Single Row Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.321
EAN	7316577015891
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	65MM Bore; 100MM Outside Diameter; 11MM 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	16013
Weight / LBS	0.707

Bore	2.559 Inch   65 Millimeter
Outer Race Width	0.433 Inch   11 Millimeter
Outside Diameter	3.937 Inch   100 Millimeter
bore diameter:	65 mm
static load capacity:	19.6 kN
outside diameter:	100 mm
precision rating:	Not Rated
overall width:	11 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	11 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.6 mm
snap ring included:	Without Snap Ring
maximum rpm:	16005 RPM
internal clearance:	C0
series:	16
dynamic load capacity:	22.5 kN
$d_1 \approx$	76.5 mm
$D_1 \approx$	88.35 mm
$r_{1,2} \text{ min.}$	0.6 mm
$d_a \text{ min.}$	68.2 mm
$D_a \text{ max.}$	96.8 mm
$r_a \text{ max.}$	0.6 mm
Basic dynamic load rating C	22.5 kN
Basic static load rating $C_0$	19.6 kN

Fatigue load limit $P_u$	0.83 kN
Calculation factor $k_r$	0.02
Calculation factor $f_\theta$	16.3
Mass bearing	0.3 kg