

# 16017 SKF Weight / LBS 1.453

## 130x85x14mm Deep groove ball bearings

Bearing number	16017
Size (mm)	130x85x14
Brand	SKF
Bore Diameter (mm)	130
Outer Diameter (mm)	85
Width (mm)	14
d	85 mm
D	130 mm
B	14 mm
d <sub>1</sub>	100.3 mm
D <sub>1</sub>	114.7 mm
r <sub>1,2</sub> – min.	0.6 mm
d <sub>a</sub> – min.	88.2 mm
D <sub>a</sub> – max.	126 mm
r <sub>a</sub> – max.	0.6 mm
Basic dynamic load rating – C	35.8 kN
Basic static load rating – C <sub>0</sub>	33.5 kN
Fatigue load limit – P <sub>u</sub>	1.4 kN
Reference speed	11000 r/min
Limiting speed	6700 r/min
Calculation factor – k <sub>r</sub>	0.02
Calculation factor – f <sub>0</sub>	16.5

Category	Single Row Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.66
EAN	7316577015969
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	85MM Bore; 130MM Outside Diameter; 14MM 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	16017
Weight / LBS	1.453

Outside Diameter	5.118 Inch   130 Millimeter
Outer Race Width	0.551 Inch   14 Millimeter
Bore	3.346 Inch   85 Millimeter
bore diameter:	85 mm
static load capacity:	33.5 kN
outside diameter:	130 mm
precision rating:	Not Rated
overall width:	14 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	14 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.6 mm
snap ring included:	Without Snap Ring
maximum rpm:	6700 RPM
internal clearance:	C0
series:	16
dynamic load capacity:	35.8 kN
$d_1 \approx$	100.3 mm
$D_1 \approx$	114.7 mm
$r_{1,2} \text{ min.}$	0.6 mm
$d_a \text{ min.}$	88.2 mm
$D_a \text{ max.}$	126 mm
$r_a \text{ max.}$	0.6 mm
Basic dynamic load rating C	35.8 kN
Basic static load rating $C_0$	33.5 kN

Fatigue load limit $P_u$	1.37 kN
Calculation factor $k_r$	0.02
Calculation factor $f_\theta$	16.5
Mass bearing	0.64 kg