

# 16020 SKF 150x100x16mm da min. 105 mm Deep groove ball bearings

Bearing number	16020
Size (mm)	150x100x16
Brand	SKF
Bore Diameter (mm)	150
Outer Diameter (mm)	100
Width (mm)	16
d	100 mm
D	150 mm
B	16 mm
d <sub>1</sub>	116 mm
D <sub>1</sub>	134 mm
r <sub>1,2</sub> – min.	1 mm
d <sub>a</sub> – min.	105 mm
D <sub>a</sub> – max.	145 mm
r <sub>a</sub> – max.	1 mm
Basic dynamic load rating – C	46.2 kN
Basic static load rating – C <sub>0</sub>	44 kN
Fatigue load limit – P <sub>u</sub>	1.7 kN
Reference speed	9500 r/min
Limiting speed	5600 r/min
Calculation factor – k <sub>r</sub>	0.02
Calculation factor – f <sub>0</sub>	16.5

Long Description	100MM Bore; 150MM Outside Diameter; 16MM 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	16020
Weight / LBS	2.124
Bore	3.937 Inch   100 Millimeter
Outside Diameter	5.906 Inch   150 Millimeter
Outer Race Width	0.63 Inch   16 Millimeter
Category	Single Row Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.964
EAN	7316577015990
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
bore diameter:	100 mm
static load capacity:	44 kN
outside diameter:	150 mm
precision rating:	Not Rated
overall width:	16 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	16 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	1 mm
snap ring included:	Without Snap Ring
maximum rpm:	5600 RPM
internal clearance:	C0
series:	16
dynamic load capacity:	46.2 kN
$d_1 \approx$	116 mm
$D_1 \approx$	134 mm
$r_{1,2} \text{ min.}$	1 mm
$d_a \text{ min.}$	105 mm
$D_a \text{ max.}$	145 mm
$r_a \text{ max.}$	1 mm
Basic dynamic load rating C	46.2 kN
Basic static load rating $C_0$	44 kN

Fatigue load limit $P_u$	1.7 kN
Calculation factor $k_r$	0.02
Calculation factor $f_\theta$	16.5
Mass bearing	0.94 kg