

16024 SKF row type & fill slot: Single Row Non-Fill Slot 180x120x19mm Deep groove ball bearings

Category	Single Row Ball Bearings
BDI Inventory	28.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.63
EAN	7316577080431
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	120MM Bore; 180MM Outside Diameter; 19MM 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	16024
Weight / LBS	3.594
Outer Race Width	0.748 Inch 19 Millimeter
Bore	4.724 Inch 120 Millimeter
Outside Diameter	7.087 Inch 180 Millimeter
Bearing number	16024
Size (mm)	180x120x19
Brand	SKF
Bore Diameter (mm)	180
Outer Diameter (mm)	120
Width (mm)	19
d	120 mm
D	180 mm
B	19 mm
d ₁	139 mm
D ₁	161 mm
r _{1,2} – min.	1 mm
d _a – min.	125 mm
D _a – max.	175 mm
r _a – max.	1 mm
Basic dynamic load rating – C	63.7 kN
Basic static load rating – C ₀	64 kN
Fatigue load limit – P _u	2.2 kN

Reference speed	7500 r/min
Limiting speed	4800 r/min
Calculation factor – k_r	0.02
Calculation factor – f_0	16.5
bore diameter:	120 mm
static load capacity:	64 kN
outside diameter:	180 mm
precision rating:	Not Rated
overall width:	19 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	19 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	1 mm
snap ring included:	Without Snap Ring
maximum rpm:	4800 RPM
internal clearance:	C0
series:	16
dynamic load capacity:	63.7 kN
$d_1 \approx$	139 mm
$D_1 \approx$	161 mm
$r_{1,2} \text{ min.}$	1 mm
$d_a \text{ min.}$	125 mm
$D_a \text{ max.}$	175 mm
$r_a \text{ max.}$	1 mm
Basic dynamic load rating C	63.7 kN

Basic static load rating C_0	64 kN
Fatigue load limit P_u	2.2 kN
Calculation factor k_r	0.02
Calculation factor f_0	16.5
Mass bearing	1.57 kg