



Bearing No. 16024

D	180 mm
d	120 mm
B	19 mm
Bore	4.724 Inch 120 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	16
Category	Single Row Ball Bearing
Enclosure	Open
Inventory	28.0
Size (mm)	180x120x19
Snap Ring	No
Width (mm)	19
bore type:	Round
Weight / LBS	3.594
Mass bearing	1.57 kg
maximum rpm:	4800 RPM
closure type:	Open
D ₁	161 mm
d ₁	139 mm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
bore diameter:	120 mm
cage material:	Steel
Keyword String	Ball
fillet radius:	1 mm
overall width:	19 mm
Bearing number	16024

Limiting speed	4800 r/min
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Reference speed	7500 r/min
Outside Diameter	7.087 Inch 180 Millimeter
Outer Race Width	0.748 Inch 19 Millimeter
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
Manufacturer URL	http://www.skf.com
outer ring width:	19 mm
precision rating:	Not Rated
outside diameter:	180 mm
Manufacturer Name	SKF
Weight / Kilogram	1.63
D _a max.	175 mm
Bore Diameter (mm)	180
Internal Clearance	C0-Medium
r _a max.	1 mm
d _a min.	125 mm
snap ring included:	Without Snap Ring
Outer Diameter (mm)	120
internal clearance:	C0
r _a - max.	1 mm
D _a - max.	175 mm
d _a - min.	125 mm
r _{1,2} min.	1 mm

Minimum Buy Quantity	N/A
static load capacity:	64 kN
d_1 ?	139 mm
row type & fill slot:	Single Row Non-Fill Slot
D_1 ?	161 mm
dynamic load capacity:	63.7 kN
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	1 mm
Manufacturer Item Number	16024
Internal Special Features	No
Basic dynamic load rating C	63.7 kN
Basic dynamic load rating - C	63.7 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	2.2 kN
Calculation factor k_r	0.02
Calculation factor f_0	16.5
Fatigue load limit - P_u	2.2 kN
Calculation factor - k_r	0.02
Calculation factor - f_0	16.5
Basic static load rating C_0	64 kN
Basic static load rating - C_0	64 kN