



BROWNING BEARING COMPANY



120 mm x 180 mm x 19 mm skf 16024 bearing

Bearing No. 16024

16024 Bearing 2D drawings and 3D CAD models

Size	180x120x19 mm
Bore Diameter	180 mm
Outer Diameter	120 mm
Width	19 mm
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
Category	Single Row Ball Bearings
Inventory	28.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.63



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EAN	7316577080431
Product Group	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	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
bore diameter:	120 mm
static load capacity:	64 kN
outside diameter:	180 mm
precision rating:	Not Rated



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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	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
Calculation factor k_r	0.02
Calculation factor f_0	16.5
Mass bearing	1.57 kg