



Bearing No. 6024-Z

D	180 mm
d	120 mm
B	28 mm
Bore	4.724 Inch 120 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	60
Category	Single Row Ball Bearing
Size (mm)	180x120x28
Snap Ring	No
Enclosure	1 Metal Shield
Inventory	0.0
Width (mm)	28
bore type:	Round
maximum rpm:	3800 RPM
Weight / LBS	4.81
Mass bearing	2.14 kg
Inch - Metric	Metric
Cage Material	Steel
D ₂	165.3 mm
closure type:	Single Shield
Product Group	B00308
d ₁	139.05 mm
Bearing number	6024-Z
bore diameter:	120 mm
overall width:	28 mm
cage material:	Steel
fillet radius:	2 mm
Limiting speed	4800 r/min

Keyword String	Ball
finish/coating:	Uncoated
Reference speed	7500 r/min
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Outer Race Width	1.102 Inch 28 Millimeter
Manufacturer URL	http://www.skf.com
Outside Diameter	7.087 Inch 180 Millimeter
Long Description	120MM Bore; 180MM Outside Diameter; 28MM Outer Race Diameter; 1 Metal Shield; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Weight / Kilogram	2.175
Manufacturer Name	SKF
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	180 mm
outer ring width:	28 mm
Bore Diameter (mm)	180
Internal Clearance	C0-Medium
r _a max.	2 mm
d _a min.	129 mm
D _a max.	171 mm
d _a max.	139 mm
Outer Diameter (mm)	120
internal clearance:	C0
d _a - min.	129 mm
Minimum Buy Quantity	N/A
	2 mm

ra - max.

--	--

$r_{1,2}$ min.	2 mm
d_a - max.	139 mm
D_a - max.	171 mm
d_1 ?	139.05 mm
static load capacity:	80 kN
row type & fill slot:	Single Row Non-Fill Slot
D_2 ?	165.3 mm
$r_{1,2}$ - min.	2 mm
dynamic load capacity:	88.4 kN
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	6024 Z
Internal Special Features	No
Basic dynamic load rating C	88.4 kN
Basic dynamic load rating - C	88.4 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	2.75 kN
Calculation factor k_r	0.025
Calculation factor f_0	15.9
Calculation factor - k_r	0.025
Calculation factor - f_0	15.9
Fatigue load limit - P_u	2.8 kN
Basic static load rating C_0	80 kN
Basic static load rating - C_0	80 kN