



Bearing No. 6024-2Z

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
Enclosure	2 Metal Shields
Inventory	0.0
Size (mm)	180x120x28
Snap Ring	No
Width (mm)	28
bore type:	Round
Weight / LBS	4.96
Mass bearing	2.2 kg
maximum rpm:	3800 RPM
closure type:	Double Shielded
D ₂	165.3 mm
d ₁	139.05 mm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
bore diameter:	120 mm
cage material:	Steel
Keyword String	Ball
fillet radius:	2 mm
overall width:	28 mm
Bearing number	6024-2Z

Limiting speed	3800 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	1.102 Inch 28 Millimeter
Long Description	120MM Bore; 180MM Outside Diameter; 28MM Outer Race Diameter; 2 Metal Shields; 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:	28 mm
outside diameter:	180 mm
precision rating:	ABEC 1 (ISO Class Normal)
Manufacturer Name	SKF
Weight / Kilogram	2.245
D _a max.	171 mm
d _a min.	129 mm
Bore Diameter (mm)	180
Internal Clearance	C0-Medium
r _a max.	2 mm
d _a max.	139 mm
internal clearance:	C0
Outer Diameter (mm)	120
r _a - max.	2 mm
D _a - max.	171 mm
	139 mm

q^a - max.	
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d_a - min.	129 mm
Minimum Buy Quantity	N/A
$r_{1,2}$ min.	2 mm
d_1 ?	139.05 mm
static load capacity:	80 kN
D_2 ?	165.3 mm
row type & fill slot:	Single Row Non-Fill Slot
Harmonized Tariff Code	8482.10.50.68
dynamic load capacity:	88.4 kN
Manufacturer Item Number	6024 2Z
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
Fatigue load limit - P_u	2.8 kN
Calculation factor - k_r	0.025
Calculation factor - f_0	15.9
Basic static load rating C_0	80 kN
Basic static load rating - C_0	80 kN