



**Bearing No. 6024-RS1**

D	180 mm
d	120 mm
B	28 mm
Noun	Bearing
Bore	4.724 Inch   120 Millimeter
UNSPSC	31171504
Category	Single Row Ball Bearing
Enclosure	1 Seal
Snap Ring	No
Size (mm)	180x120x28
Inventory	0.0
Width (mm)	28
Weight / LBS	4.673
Mass bearing	2.12 kg
Product Group	B00308
Inch - Metric	Metric
Cage Material	Steel
D <sub>2</sub>	165.3 mm
d <sub>1</sub>	139.05 mm
Keyword String	Ball
Other Features	Deep Groove
Enclosure Type	Contact Seal
Bearing number	6024-RS1
Limiting speed	2200 r/min
Rolling Element	Ball Bearing
Precision Class	ABEC 1   ISO P0
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Inner Race Width	0 Inch   0 Millimeter
Outer Race Width	1.102 Inch   28

	Millimeter
Outside Diameter	7.087 Inch   180 Millimeter
Long Description	120MM Bore; 180MM Outside Diameter; 28MM Outer Race Width; 1 Seal; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage;
Manufacturer Name	SKF
Weight / Kilogram	0
Bore Diameter (mm)	180
$d_a$ min.	129 mm
Internal Clearance	C0-Medium
$d_a$ max.	139 mm
$D_a$ max.	171 mm
$r_a$ max.	2 mm
Outer Diameter (mm)	120
$r_{1,2}$ min.	2 mm
Minimum Buy Quantity	N/A
$d_a$ - min.	129 mm
$d_a$ - max.	139 mm
$D_a$ - max.	171 mm
$r_a$ - max.	2 mm
$D_2$ ?	165.3 mm
$d_1$ ?	139.05 mm
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	6024-RS1
Internal Special Features	No
Basic dynamic load	88.4 kN

rating C	
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 - $f_0$	16
Fatigue load limit - $P_u$	2.8 kN
Basic static load rating $C_0$	80 kN
Basic static load rating - $C_0$	80 kN