



**Bearing No. 6024-2RS1**

D	180 mm
d	120 mm
B	28 mm
Noun	Bearing
Bore	4.724 Inch   120 Millimeter
UNSPSC	31171504
series:	60
Category	Single Row Ball Bearing
Inventory	0.0
Enclosure	2 Seals
Size (mm)	180x120x28
Snap Ring	No
Width (mm)	28
bore type:	Round
Weight / LBS	4.8
Mass bearing	2.16 kg
maximum rpm:	2200 RPM
Inch - Metric	Metric
Product Group	B00308
Cage Material	Steel
closure type:	Double Sealed
D <sub>2</sub>	165.3 mm
d <sub>1</sub>	139.05 mm
Keyword String	Ball
bore diameter:	120 mm
cage material:	Steel
fillet radius:	2 mm
Enclosure Type	Contact Seal
overall width:	28 mm

Bearing number	6024-2RS1
Limiting speed	2200 r/min
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Precision Class	ABEC 1   ISO P0
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Long Description	120MM Bore; 180MM Outside Diameter; 28MM Outer Race Diameter; 2 Seals; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Outside Diameter	7.087 Inch   180 Millimeter
Outer Race Width	1.102 Inch   28 Millimeter
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	180 mm
outer ring width:	28 mm
Weight / Kilogram	2.17
Manufacturer Name	SKF
d <sub>a</sub> min.	129 mm
d <sub>a</sub> max.	139 mm
Bore Diameter (mm)	180
D <sub>a</sub> max.	171 mm
Internal Clearance	C0-Medium
r <sub>a</sub> max.	2 mm
Outer Diameter (mm)	120
internal clearance:	C0
d <sub>a</sub> - max.	139 mm
d <sub>a</sub> - min.	129 mm
r <sub>1,2</sub> min.	2 mm

$r_a$ - max.	2 mm
$D_a$ - max.	171 mm
Minimum Buy Quantity	N/A
row type & fill slot:	Single Row Non-Fill Slot
static load capacity:	80 kN
$D_2$ ?	165.3 mm
$d_1$ ?	139.05 mm
dynamic load capacity:	88.4 kN
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	6024 2RS1
Internal Special Features	No
Basic dynamic load rating C	88.4 kN
operating temperature range:	-40 to +210 °F
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