



# Xiangtan Huaxing Material Co., Ltd.



6024 Bearing 2D drawings and 3D CAD models

## SKF Bearing 6024 2RS Zz Deep Groove Ball Bearings 6024-2RS 6024-Zz SKF Roller Bearing

Bearing No. 6024

Size	180x120x28 mm
Bore Diameter	180 mm
Outer Diameter	120 mm
Width	28 mm
d	120 mm
D	180 mm
B	28 mm
d <sub>1</sub>	139.05 mm
D <sub>2</sub>	165.3 mm
d <sub>a</sub> - min.	129 mm
D <sub>a</sub> - max.	171 mm
r <sub>a</sub> - max.	2 mm
Basic dynamic load rating - C	88.4 kN
Basic static load rating - C <sub>0</sub>	80 kN
Fatigue load limit - P <sub>u</sub>	2.8 kN
Reference speed	7500 r/min
Limiting speed	4800 r/min
Calculation factor - k <sub>r</sub>	0.025
Calculation factor - f <sub>0</sub>	15.9
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.16



## Xiangtan Huaxing Material Co., Ltd.

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; 28MM 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	6024
Weight / LBS	4.75
Outside Diameter	7.087 Inch   180 Millimeter
Bore	4.724 Inch   120 Millimeter
Outer Race Width	1.102 Inch   28 Millimeter
bore diameter:	120 mm
static load capacity:	80 kN
outside diameter:	180 mm
precision rating:	ABEC 1 (ISO Class Normal)
overall width:	28 mm



## Xiangtan Huaxing Material Co., Ltd.

finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	28 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	2 mm
snap ring included:	Without Snap Ring
maximum rpm:	4800 RPM
internal clearance:	C0
series:	60
dynamic load capacity:	88.4 kN
$d_1$	139.05 mm
$D_2$	165.3 mm
$r_{1,2}$ min.	2 mm
$d_a$ min.	129 mm
$D_a$ max.	171 mm
$r_a$ max.	2 mm
Basic dynamic load rating C	88.4 kN
Basic static load rating $C_0$	80 kN
Fatigue load limit $P_u$	2.75 kN
Calculation factor $k_r$	0.025
Calculation factor $f_0$	15.9
Mass bearing	2.1 kg