



**Bearing No. 62314-2RS1**

D	150 mm
d	70 mm
B	51 mm
Bore	2.756 Inch   70 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	62
Category	Single Row Ball Bearing
Size (mm)	150x70x51
Snap Ring	No
Enclosure	2 Seals
Inventory	0.0
Width (mm)	51
bore type:	Round
maximum rpm:	3000 RPM
Weight / LBS	8.179
Mass bearing	3.73 kg
Inch - Metric	Metric
Product Group	B00308
closure type:	Double Sealed
d <sub>1</sub>	94.95 mm
Cage Material	Steel
D <sub>2</sub>	129.9 mm
Keyword String	Ball
Enclosure Type	Contact Seal
Other Features	Cartridge Bearing
Bearing number	62314-2RS1
bore diameter:	70 mm
overall width:	51 mm

cage material:	Steel
fillet radius:	2 mm
Limiting speed	3000 r/min
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Outer Race Width	2.008 Inch   51 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	5.906 Inch   150 Millimeter
Long Description	70MM Bore; 150MM Outside Diameter; 51MM Outer Race Diameter; 2 Seals; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Weight / Kilogram	3.713
Manufacturer Name	SKF
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	150 mm
outer ring width:	51 mm
Bore Diameter (mm)	150
Internal Clearance	C0-Medium
r <sub>a</sub> max.	2 mm
d <sub>a</sub> min.	82 mm
D <sub>a</sub> max.	138 mm
d <sub>a</sub> max.	94.9 mm
Outer Diameter (mm)	70
internal clearance:	C0
d <sub>a</sub> - min.	82 mm
Minimum Buy Quantity	N/A

$r_a$ - max.	2 mm
$r_{1,2}$ min.	2.1 mm
$d_a$ - max.	94.9 mm
$D_a$ - max.	138 mm
static load capacity:	68 kN
row type & fill slot:	Single Row Non-Fill Slot
$D_2$ ?	129.9 mm
$d_1$ ?	94.95 mm
dynamic load capacity:	104 kN
$r_{1,2}$ - min.	2.1 mm
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	62314-2RS1
Internal Special Features	No
Basic dynamic load rating C	104 kN
operating temperature range:	-40 to +210 °F
Basic dynamic load rating - C	104 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	2.75 kN
Calculation factor $k_r$	0.03
Calculation factor $f_0$	13.2
Calculation factor - $k_r$	0.03
Calculation factor - $f_0$	13.2
Fatigue load limit - $P_u$	2.8 kN
Basic static load rating $C_0$	68 kN
Basic static load rating - $C_0$	68 kN