



Bearing No. 6312-2RS1

D	130 mm
d	60 mm
B	31 mm
Noun	Bearing
Bore	2.362 Inch 60 Millimeter
UNSPSC	31171504
series:	63
Category	Single Row Ball Bearing
Size (mm)	130x60x31
Snap Ring	No
Enclosure	2 Seals
Inventory	2.0
Width (mm)	31
bore type:	Round
Weight / LBS	3.902
Mass bearing	1.77 kg
maximum rpm:	3400 RPM
Inch - Metric	Metric
Product Group	B00308
Cage Material	Steel
D ₂	112.2 mm
closure type:	Double Sealed
d ₁	81.86 mm
Keyword String	Ball
overall width:	31 mm
cage material:	Steel
Other Features	Deep Groove NBR Seal
fillet radius:	2 mm

Enclosure Type	Contact Seal
bore diameter:	60 mm
Bearing number	6312-2RS1
Limiting speed	3400 r/min
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Inner Race Width	0 Inch 0 Millimeter
Outer Race Width	1.22 Inch 31 Millimeter
Outside Diameter	5.118 Inch 130 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	60MM Bore; 130MM Outside Diameter; 31MM Outer Race Width; 2 Seals; 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
precision rating:	Not Rated
Weight / Kilogram	1.772
outer ring width:	31 mm
outside diameter:	130 mm
D _a max.	118 mm
d _a max.	81.8 mm
d _a min.	72 mm
Internal Clearance	C0-Medium
Bore Diameter (mm)	130
r _a max.	2 mm
Outer Diameter (mm)	60
internal clearance:	C0

$r_{1,2}$ min.	2.1 mm
d_a - min.	72 mm
d_a - max.	81.8 mm
D_a - max.	118 mm
r_a - max.	2 mm
Minimum Buy Quantity	N/A
d_1 ?	81.86 mm
D_2 ?	112.2 mm
static load capacity:	52 kN
row type & fill slot:	Single Row Non-Fill Slot
$r_{1,2}$ - min.	2.1 mm
dynamic load capacity:	85.2 kN
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	6312-2RS1
Internal Special Features	No
Basic dynamic load rating C	85.2 kN
operating temperature range:	-40 to +210 °F
Basic dynamic load rating - C	85.2 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	2.2 kN
Calculation factor k_r	0.03
Calculation factor f_0	13.1
Fatigue load limit - P_u	2.2 kN
Calculation factor - k_r	0.03
Calculation factor - f_0	13.1
Basic static load rating C_0	52 kN
Basic static load rating -	52 kN

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