



Bearing No. 62309-2RS1

D	100 mm
d	45 mm
B	36 mm
Bore	1.772 Inch 45 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	62
Category	Single Row Ball Bearing
Size (mm)	100x45x36
Snap Ring	No
Enclosure	2 Seals
Inventory	0.0
Width (mm)	36
bore type:	Round
maximum rpm:	4500 RPM
Weight / LBS	2.668
Mass bearing	1.21 kg
D ₂	86.7 mm
Cage Material	Steel
closure type:	Double Sealed
d ₁	62.18 mm
Product Group	B00308
Inch - Metric	Metric
fillet radius:	1.5 mm
cage material:	Steel
overall width:	36 mm
bore diameter:	45 mm
Limiting speed	4500 r/min
Keyword String	Ball

Other Features	Cartridge Bearing
Enclosure Type	Contact Seal
Bearing number	62309-2RS1
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Outer Race Width	1.417 Inch 36 Millimeter
Manufacturer URL	http://www.skf.com
Outside Diameter	3.937 Inch 100 Millimeter
Long Description	45MM Bore; 100MM Outside Diameter; 36MM Outer Race Diameter; 2 Seals; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Manufacturer Name	SKF
outer ring width:	36 mm
precision rating:	ABEC 3 (ISO Class 6)
Weight / Kilogram	1.211
outside diameter:	100 mm
D _a max.	91 mm
r _a max.	1.5 mm
d _a min.	54 mm
Bore Diameter (mm)	100
d _a max.	62.1 mm
Internal Clearance	C0-Medium
internal clearance:	C0
Outer Diameter (mm)	45
Minimum Buy Quantity	N/A
r _a - max.	1.5 mm
d _a - min.	54 mm

D_a - max.	91 mm
d_a - max.	62.1 mm
$r_{1,2}$ min.	1.5 mm
d_1 ?	62.18 mm
D_2 ?	86.7 mm
static load capacity:	31.5 kN
row type & fill slot:	Single Row Non-Fill Slot
$r_{1,2}$ - min.	1.5 mm
dynamic load capacity:	52.7 kN
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	62309-2RS1
Internal Special Features	No
Basic dynamic load rating C	52.7 kN
operating temperature range:	-40 to +210 °F
Basic dynamic load rating - C	52.7 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	1.34 kN
Calculation factor k_r	0.03
Calculation factor f_0	13
Calculation factor - k_r	0.03
Calculation factor - f_0	13
Fatigue load limit - P_u	1.3 kN
Basic static load rating C_0	31.5 kN
Basic static load rating - C_0	31.5 kN