



**Bearing No. 62209-2RS1**

D	85 mm
d	45 mm
B	23 mm
Bore	1.772 Inch   45 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	62
Category	Single Row Ball Bearing
Size (mm)	85x45x23
Snap Ring	No
Enclosure	2 Seals
Inventory	2.0
Width (mm)	23
bore type:	Round
maximum rpm:	5000 RPM
Weight / LBS	1.155
Mass bearing	0.51 kg
Inch - Metric	Metric
Product Group	B00308
closure type:	Double Sealed
d <sub>1</sub>	57.6 mm
Cage Material	Steel
D <sub>2</sub>	75.19 mm
Keyword String	Ball
Enclosure Type	Contact Seal
Other Features	Cartridge Bearing
Bearing number	62209-2RS1
bore diameter:	45 mm
overall width:	23 mm

cage material:	Steel
fillet radius:	1 mm
Limiting speed	5000 r/min
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Outside Diameter	3.346 Inch   85 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outer Race Width	0.906 Inch   23 Millimeter
Long Description	45MM Bore; 85MM Outside Diameter; 23MM Outer Race Diameter; 2 Seals; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Weight / Kilogram	0.524
Manufacturer Name	SKF
precision rating:	ABEC 3 (ISO Class 6)
outside diameter:	85 mm
outer ring width:	23 mm
Bore Diameter (mm)	85
Internal Clearance	C0-Medium
r <sub>a</sub> max.	1 mm
d <sub>a</sub> min.	52 mm
D <sub>a</sub> max.	78 mm
d <sub>a</sub> max.	57.5 mm
Outer Diameter (mm)	45
internal clearance:	C0
d <sub>a</sub> - min.	52 mm
Minimum Buy Quantity	N/A
r <sub>a</sub> - max.	1 mm

$r_{1,2}$ min.	1.1 mm
$d_a$ - max.	57.5 mm
$D_a$ - max.	78 mm
static load capacity:	21.6 kN
row type & fill slot:	Single Row Non-Fill Slot
$D_2$ ?	75.19 mm
$d_1$ ?	57.6 mm
dynamic load capacity:	33.2 kN
$r_{1,2}$ - min.	1.1 mm
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	62209-2RS1
Internal Special Features	No
Basic dynamic load rating C	33.2 kN
operating temperature range:	-40 to +210 °F
Basic dynamic load rating - C	33.2 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	0.915 kN
Calculation factor $k_r$	0.025
Calculation factor $f_0$	14.2
Calculation factor - $k_r$	0.025
Calculation factor - $f_0$	14.2
Fatigue load limit - $P_u$	0.915 kN
Basic static load rating $C_0$	21.6 kN
Basic static load rating - $C_0$	21.6 kN