



**Bearing No. 62303-2RS1**

D	47 mm
d	17 mm
B	19 mm
Bore	0.669 Inch   17 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	62
Category	Single Row Ball Bearing
Size (mm)	47x17x19
Snap Ring	No
Enclosure	2 Seals
Inventory	0.0
Width (mm)	19
bore type:	Round
maximum rpm:	11000 RPM
Weight / LBS	0.347
Mass bearing	0.16 kg
Inch - Metric	Metric
Product Group	B00308
closure type:	Double Sealed
d <sub>1</sub>	26.52 mm
Cage Material	Steel
D <sub>2</sub>	39.58 mm
Keyword String	Ball
Enclosure Type	Contact Seal
Other Features	Cartridge Bearing
Bearing number	62303-2RS1
bore diameter:	17 mm
overall width:	19 mm

cage material:	Steel
fillet radius:	1 mm
Limiting speed	11000 r/min
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Outside Diameter	1.85 Inch   47 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outer Race Width	0.748 Inch   19 Millimeter
Long Description	17MM Bore; 47MM Outside Diameter; 19MM Outer Race Diameter; 2 Seals; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Weight / Kilogram	0.159
Manufacturer Name	SKF
precision rating:	Not Rated
outside diameter:	47 mm
outer ring width:	19 mm
Bore Diameter (mm)	47
Internal Clearance	C0-Medium
r <sub>a</sub> max.	1 mm
d <sub>a</sub> min.	22.6 mm
D <sub>a</sub> max.	41.4 mm
d <sub>a</sub> max.	26.4 mm
Outer Diameter (mm)	17
internal clearance:	C0
d <sub>a</sub> - min.	22.6 mm
Minimum Buy Quantity	N/A
r <sub>a</sub> - max.	1 mm
r <sub>1,2</sub> min.	1 mm

$d_a$ - max.	26.4 mm
$D_a$ - max.	41.4 mm
static load capacity:	6.55 kN
row type & fill slot:	Single Row Non-Fill Slot
$D_2$ ?	39.58 mm
$d_1$ ?	26.52 mm
dynamic load capacity:	13.5 kN
$r_{1,2}$ - min.	1 mm
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	62303-2RS1
Internal Special Features	No
Basic dynamic load rating C	13.5 kN
operating temperature range:	-40 to +210 °F
Basic dynamic load rating - C	13.5 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	0.275 kN
Calculation factor $k_r$	0.03
Calculation factor $f_0$	12
Calculation factor - $k_r$	0.03
Calculation factor - $f_0$	12
Fatigue load limit - $P_u$	0.275 kN
Basic static load rating $C_0$	6.55 kN
Basic static load rating - $C_0$	6.6 kN