



**Bearing No. 6318-2RS1**

D	190 mm
d	90 mm
B	43 mm
Noun	Bearing
Bore	3.543 Inch   90 Millimeter
UNSPSC	31171504
series:	63
Category	Single Row Ball Bearing
Size (mm)	190x90x43
Snap Ring	No
Enclosure	2 Seals
Inventory	0.0
Width (mm)	43
bore type:	Round
Weight / LBS	11.182
Mass bearing	5.09 kg
maximum rpm:	2400 RPM
Inch - Metric	Metric
Product Group	B00308
Cage Material	Steel
D <sub>2</sub>	163.9 mm
closure type:	Double Sealed
d <sub>1</sub>	121.15 mm
Keyword String	Ball
overall width:	43 mm
cage material:	Steel
Other Features	Deep Groove   NBR Seal
fillet radius:	2.5 mm

Enclosure Type	Contact Seal
bore diameter:	90 mm
Bearing number	6318-2RS1
Limiting speed	2400 r/min
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Precision Class	ABEC 1   ISO P0
Outside Diameter	7.48 Inch   190 Millimeter
Outer Race Width	1.693 Inch   43 Millimeter
Inner Race Width	0 Inch   0 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Long Description	90MM Bore; 190MM Outside Diameter; 43MM 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:	ABEC 1 (ISO Class Normal)
Weight / Kilogram	5.077
outer ring width:	43 mm
outside diameter:	190 mm
D <sub>a</sub> max.	176 mm
d <sub>a</sub> max.	120.9 mm
d <sub>a</sub> min.	104 mm
Internal Clearance	C0-Medium
Bore Diameter (mm)	190
r <sub>a</sub> max.	2.5 mm
Outer Diameter (mm)	90

internal clearance:	C0
$r_{1,2}$ min.	3 mm
$d_a$ - min.	104 mm
$d_a$ - max.	120.9 mm
$D_a$ - max.	176 mm
$r_a$ - max.	2.5 mm
Minimum Buy Quantity	N/A
$d_1$ ?	121.15 mm
$D_2$ ?	163.9 mm
static load capacity:	108 kN
row type & fill slot:	Single Row Non-Fill Slot
$r_{1,2}$ - min.	3 mm
dynamic load capacity:	151 kN
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	6318-2RS1
Internal Special Features	No
Basic dynamic load rating C	151 kN
operating temperature range:	-40 to +210 °F
Basic dynamic load rating - C	151 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	3.8 kN
Calculation factor $k_r$	0.03
Calculation factor $f_0$	13.3
Fatigue load limit - $P_u$	3.8 kN
Calculation factor - $k_r$	0.03
Calculation factor - $f_0$	13.3
Basic static load rating $C_0$	108 kN

Basic static load rating - $C_0$	108 kN
-------------------------------------	--------