



**Bearing No. 6318**

D	190 mm
d	90 mm
B	43 mm
Bore	3.543 Inch   90 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	63
Category	Single Row Ball Bearing
Enclosure	Open
Inventory	0.0
Size (mm)	190x90x43
Snap Ring	No
Width (mm)	43
bore type:	Round
Weight / LBS	11
Mass bearing	4.97 kg
maximum rpm:	4800 RPM
closure type:	Open
D <sub>2</sub>	163.9 mm
d <sub>1</sub>	121.15 mm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
bore diameter:	90 mm
cage material:	Steel
Keyword String	Ball
fillet radius:	2.5 mm
overall width:	43 mm
Bearing number	6318

Limiting speed	4800 r/min
finish/coating:	Uncoated
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
Reference speed	7500 r/min
Outer Race Width	1.693 Inch   43 Millimeter
Outside Diameter	7.48 Inch   190 Millimeter
Long Description	90MM Bore; 190MM Outside Diameter; 43MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
outer ring width:	43 mm
precision rating:	Not Rated
outside diameter:	190 mm
Manufacturer Name	SKF
Weight / Kilogram	4.987
D <sub>a</sub> max.	176 mm
Bore Diameter (mm)	190
Internal Clearance	C0-Medium
r <sub>a</sub> max.	2.5 mm
d <sub>a</sub> min.	104 mm
snap ring included:	Without Snap Ring
Outer Diameter (mm)	90
internal clearance:	C0
r <sub>a</sub> - max.	2.5 mm
D <sub>a</sub> - max.	176 mm
d <sub>a</sub> - min.	104 mm
r <sub>1,2</sub> min.	3 mm

Minimum Buy Quantity	N/A
static load capacity:	108 kN
$d_1$ ?	121.15 mm
row type & fill slot:	Single Row Non-Fill Slot
$D_2$ ?	163.9 mm
dynamic load capacity:	151 kN
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	3 mm
Manufacturer Item Number	6318
Internal Special Features	No
Basic dynamic load rating C	151 kN
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