



Bearing No. 6318/C3VL0241

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
Size (mm)	190x90x43
Snap Ring	No
Enclosure	Open
Inventory	0.0
Width (mm)	43
bore type:	Round
maximum rpm:	4800 RPM
Weight / LBS	11.066
Mass bearing	4.9 kg
Inch - Metric	Metric
d ₁	121.15 mm
Cage Material	Steel
D ₂	166 mm
Product Group	B00308
closure type:	Open
overall width:	43 mm
bore diameter:	90 mm
Other Features	Deep Groove VL0241 Aluminum Oxide Coated External Surfaces
fillet radius:	2.5 mm
Limiting speed	4800 r/min

Keyword String	Ball
Bearing number	6318/C3VL0241
finish/coating:	Aluminum Oxide
Reference speed	7500 r/min
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Inner Race Width	0 Inch 0 Millimeter
Outer Race Width	1.693 Inch 43 Millimeter
Manufacturer URL	http://www.skf.com
Outside Diameter	7.48 Inch 190 Millimeter
Long Description	90MM Bore; 190MM Outside Diameter; 43MM Outer Race Width; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; Electrical Insulation on Outer Ring Internal Special Features; C3-Loose In
Weight / Kilogram	4.904
outer ring width:	43 mm
Manufacturer Name	SKF
outside diameter:	190 mm
precision rating:	Not Rated
D _a min.	171 mm
D _a max.	176 mm
d _a min.	104 mm
Bore Diameter (mm)	190
Internal Clearance	C3-Loose
r _a max.	2.5 mm
Outer Diameter (mm)	90
internal clearance:	C3

snap ring included:	Without Snap Ring
Minimum Buy Quantity	N/A
resistance features:	Current-Insulating Coating
$r_{1,2}$ min.	3 mm
d_a - min.	104 mm
r_a - max.	2.5 mm
D_a - min.	171 mm
D_a - max.	176 mm
d_1 ?	121.15 mm
D_2 ?	166 mm
static load capacity:	108 kN
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	3 mm
dynamic load capacity:	151 kN
Manufacturer Item Number	6318/C3VL0241
Internal Special Features	Electrical Insulation on Outer Ring
Basic dynamic load rating C	143 kN
Basic dynamic load rating - C	151 kN
Maximum Capacity / Filling Slot	No
Calculation factor k_r	0.03
Fatigue load limit P_u	3.8 kN
Calculation factor f_0	13.3
Calculation factor - f_0	13
Calculation factor - k_r	0.03
Fatigue load limit - P_u	3.8 kN
Basic static load rating C_0	108 kN
Basic static load rating -	108 kN

C ₀	
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