



**Bearing No. 6316/C3VL0241**

D	170 mm
d	80 mm
B	39 mm
Bore	3.15 Inch   80 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	63
Category	Single Row Ball Bearing
Enclosure	Open
Inventory	0.0
Size (mm)	170x80x39
Snap Ring	No
Width (mm)	39
bore type:	Round
Weight / LBS	8.154
Mass bearing	3.55 kg
maximum rpm:	5300 RPM
closure type:	Open
D <sub>2</sub>	149 mm
d <sub>1</sub>	108 mm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
overall width:	39 mm
Keyword String	Ball
fillet radius:	2 mm
Other Features	Deep Groove   VL0241 Aluminum Oxide Coated External Surfaces
bore diameter:	80 mm

Bearing number	6316/C3VL0241
Limiting speed	5300 r/min
Precision Class	ABEC 1   ISO P0
finish/coating:	Aluminum Oxide
Rolling Element	Ball Bearing
Reference speed	8500 r/min
Inner Race Width	0 Inch   0 Millimeter
Outer Race Width	1.535 Inch   39 Millimeter
Long Description	80MM Bore; 170MM Outside Diameter; 39MM 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
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	6.693 Inch   170 Millimeter
outer ring width:	39 mm
Weight / Kilogram	3.617
Manufacturer Name	SKF
precision rating:	Not Rated
outside diameter:	170 mm
Bore Diameter (mm)	170
Internal Clearance	C3-Loose
r <sub>a</sub> max.	2 mm
d <sub>a</sub> min.	92 mm
D <sub>a</sub> min.	154 mm
D <sub>a</sub> max.	158 mm
internal clearance:	C3
Outer Diameter (mm)	80
snap ring included:	Without Snap Ring

$d_a$ - min.	92 mm
$D_a$ - min.	154 mm
$r_a$ - max.	2 mm
$D_a$ - max.	158 mm
resistance features:	Current-Insulating Coating
Minimum Buy Quantity	N/A
$r_{1,2}$ min.	2.1 mm
static load capacity:	86.5 kN
$d_1$ ?	108 mm
$D_2$ ?	149 mm
Harmonized Tariff Code	8482.10.50.68
dynamic load capacity:	130 kN
Manufacturer Item Number	6316/C3VL0241
Internal Special Features	Electrical Insulation on Outer Ring
Basic dynamic load rating C	124 kN
Basic dynamic load rating - C	130 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	3.25 kN
Calculation factor $k_r$	0.03
Calculation factor $f_0$	13.3
Fatigue load limit - $P_u$	3.2 kN
Calculation factor - $k_r$	0.03
Calculation factor - $f_0$	13
Basic static load rating $C_0$	86.5 kN
Basic static load rating - $C_0$	86.5 kN