



NTN Bearing Manufacturing



90 mm x 160 mm x 30 mm SKF
6218/C3VL0241 deep groove ball bearings

Bearing No. 6218/C3VL0241

6218/C3VL0241 Bearing 2D drawings and 3D CAD models

Size	160x90x30 mm
Bore Diameter	160 mm
Outer Diameter	90 mm
Width	30 mm
d	90 mm
D	160 mm
B	30 mm
d ₁	112.5 mm
D ₂	145 mm
d _a - min.	101 mm
D _a - min.	149 mm
D _a - max.	149 mm
r _a - max.	2 mm
Basic dynamic load rating - C	101 kN
Basic static load rating - C ₀	73.5 kN
Fatigue load limit - P _u	2.8 kN
Reference speed	8500 r/min
Limiting speed	5300 r/min
Calculation factor - k _r	0.025
Calculation factor - f ₀	15
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A



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Weight / Kilogram	2.14
EAN	7316572095119
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	Electrical Insulation on Outer Ring
Cage Material	Steel
Internal Clearance	C3-Loose
Inch - Metric	Metric
Long Description	90MM Bore; 160MM Outside Diameter; 30MM 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
Other Features	Deep Groove VL0241 Aluminum Oxide Coated External Surfaces
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	6218/C3VL0241
Weight / LBS	4.852
Outer Race Width	1.181 Inch 30 Millimeter
Bore	3.543 Inch 90 Millimeter



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Outside Diameter	6.299 Inch 160 Millimeter
Inner Race Width	0 Inch 0 Millimeter
bore diameter:	90 mm
static load capacity:	73.5 kN
outside diameter:	160 mm
precision rating:	Not Rated
overall width:	30 mm
finish/coating:	Aluminum Oxide
bore type:	Round
outer ring width:	30 mm
closure type:	Open
fillet radius:	2 mm
snap ring included:	Without Snap Ring
maximum rpm:	5300 RPM
internal clearance:	C3
series:	62
dynamic load capacity:	101 kN
resistance features:	Current-Insulating Coating
d_1	112.5 mm
D_2	145 mm
$r_{1,2}$ min.	2 mm
d_a min.	101 mm
D_a min.	149 mm
D_a max.	149 mm
r_a max.	2 mm
Basic dynamic load rating C	101 kN
Basic static load rating C_0	73.5 kN
Fatigue load limit P_u	2.8 kN
Calculation factor k_r	0.025
Calculation factor f_0	15
Mass bearing	2.4 kg