



# NACHI BEARINGS TRAINING INDUSTRY



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

Bearing No. 6218

6218 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 <sub>1</sub>	112.5 mm
D <sub>2</sub>	142.6 mm
r <sub>1,2</sub> - min.	2 mm
d <sub>a</sub> - min.	101 mm
D <sub>a</sub> - max.	149 mm
r <sub>a</sub> - max.	2 mm
Basic dynamic load rating - C	101 kN
Basic static load rating - C <sub>0</sub>	73.5 kN
Fatigue load limit - P <sub>u</sub>	2.8 kN
Reference speed	8500 r/min
Limiting speed	5300 r/min
Calculation factor - k <sub>r</sub>	0.025
Calculation factor - f <sub>0</sub>	14.7
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A



## NACHI BEARINGS TRAINING INDUSTRY

Weight / Kilogram	2.217
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	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	90MM Bore; 160MM Outside Diameter; 30MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	6218
Weight / LBS	4.883
Outside Diameter	6.299 Inch   160 Millimeter
Bore	3.543 Inch   90 Millimeter
Outer Race Width	1.181 Inch   30 Millimeter
bore diameter:	90 mm
static load capacity:	73.5 kN
outside diameter:	160 mm
precision rating:	Not Rated



## NACHI BEARINGS TRAINING INDUSTRY

overall width:	30 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	30 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	2 mm
snap ring included:	Without Snap Ring
maximum rpm:	5300 RPM
internal clearance:	C0
series:	62
dynamic load capacity:	101 kN
$d_1$	112.5 mm
$D_2$	142.6 mm
$r_{1,2}$ min.	2 mm
$d_a$ min.	101 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 $f_0$	14.7
Mass bearing	2.22 kg