



90 mm x 160 mm x 40 mm skf 2218 bearing

Bearing No. 2218

2218 Bearing 2D drawings and 3D CAD models

Size	160x90x40 mm
Bore Diameter	160 mm
Outer Diameter	90 mm
Width	40 mm
d	90 mm
D	160 mm
B	40 mm
d ₁	112.6 mm
D ₁	139.5 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	70.2 kN
Basic static load rating - C ₀	28.5 kN
Fatigue load limit - P _u	1.3 kN
Reference speed	7500 r/min
Limiting speed	5300 r/min
Calculation factor - k _r	0.04
Calculation factor - e	0.27
Calculation factor - Y ₀	2.5
Calculation factor - Y ₁	2.3
Calculation factor - Y ₂	3.6
Category	Self Aligning Ball Bearings



PRECISION BEARING CORP.

Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	3.284
EAN	7316577002020
Product Group	B00152
Mounting Method	Shaft
Enclosure	Open
Rolling Element	Ball Bearing
Cage Material	Steel
Precision Class	ABEC 1 ISO P0
Internal Clearance	C0-Medium
Number of Rows of Balls	Double Row
Other Features	Allowable Misalignment 3 Deg
Long Description	90MM Bore; Shaft Mount; 160MM Outside Diameter; 40MM Inner Race Width; 40MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
Inch - Metric	Metric
Category	Self Aligning Ball Bearings
UNSPSC	31171532
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Self Aligning
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	2218
Weight / LBS	7.233
Inner Race Width	1.575 Inch 40 Millimeter
Outer Race Width	1.575 Inch 40 Millimeter
Bore	3.543 Inch 90 Millimeter



PRECISION BEARING CORP.

Outside Diameter	6.299 Inch 160 Millimeter
bore diameter:	90 mm
static load capacity:	28.5 kN
outside diameter:	160 mm
precision rating:	Not Rated
overall width:	40 mm
maximum rpm:	5300 RPM
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	40 mm
internal clearance:	C0
fillet radius:	2 mm
dynamic load capacity:	70.2 kN
series:	2200
d_1	112.6 mm
D_1	139.5 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	70.2 kN
Basic static load rating C_0	28.5 kN
Fatigue load limit P_u	1.32 kN
Permissible angular misalignment	2.5 °
Calculation factor k_r	0.04
Calculation factor e	0.27
Calculation factor Y_0	2.5
Calculation factor Y_1	2.3
Calculation factor Y_2	3.6
Mass bearing	3.4 kg