



22218 E Bearing 2D drawings and 3D CAD models

**90 mm x 160 mm x 40 mm SKF 22218 E spherical roller bearings**

Bearing No. 22218 E

Size	160x90x40 mm
Bore Diameter	160 mm
Outer Diameter	90 mm
Width	40 mm
d	90 mm
D	160 mm
B	40 mm
d <sub>2</sub>	106 mm
D <sub>1</sub>	141 mm
b	6 mm
K	3 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	331 kN
Basic static load rating - C <sub>0</sub>	375 kN
Fatigue load limit - P <sub>u</sub>	39 kN
Reference speed	3800 r/min
Limiting speed	5300 r/min
Calculation factor - e	0.24
Calculation factor - Y <sub>1</sub>	2.8
Calculation factor - Y <sub>2</sub>	4.2
Calculation factor - Y <sub>0</sub>	2.8



## BEARING MANUFACTURING DE MEXICO,S.A.D...

Category	Spherical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	3.46
Product Group	B04311
Internal Clearance	C0-Medium
Mounting Method	Shaft Mount
Rolling Element	Spherical Roller Bearing
Bore Profile	Straight
Cage Material	Steel
Enclosure	Open
Number of Rows of Rollers	Double Row
Relubricatable	Yes
Withdrawal Sleeve	Not Applicable
Withdrawal Nut	Not Applicable
Inch - Metric	Metric
Long Description	90MM Straight Bore; 160MM Outside Diameter; 40MM Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category	Spherical Roller Bearing
UNSPSC	31171510
Harmonized Tariff Code	84823080
Noun	Bearing
Keyword String	Spherical
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Weight / LBS	7.621
Bore	3.543 Inch   90 Millimeter
Width	1.575 Inch   40 Millimeter



## BEARING MANUFACTURING DE MEXICO, S.A.D...

Outside Diameter	6.299 Inch   160 Millimeter
Adapter Part Number	Not Applicable Inch   Not Applicable Millimeter
bore diameter:	90 mm
maximum rpm:	5300 RPM
outside diameter:	160 mm
operating temperature range:	Maximum of +390 ° F
overall width:	4.3800 in
cage material:	Steel
bore type:	Straight
bearing material:	Steel
outer ring type:	Not Split
cage type:	Inner Ring Guided
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	40 mm
dynamic load capacity:	325 kN
fillet radius:	2 mm
static load capacity:	375 kN
series:	222
$d_2$	106 mm
$D_1$	141 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	331 kN
Basic static load rating $C_0$	375 kN
Fatigue load limit $P_u$	39 kN



## BEARING MANUFACTURING DE MEXICO,S.A.D...

Calculation factor e	0.24
Calculation factor $Y_1$	2.8
Calculation factor $Y_2$	4.2
Calculation factor $Y_0$	2.8
Mass bearing	3.4 kg