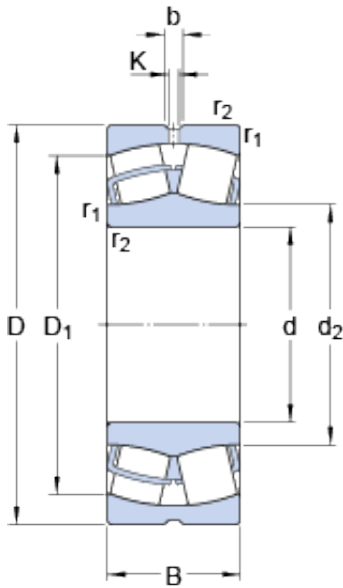




# AMERICAN BEARING MFG.CORP.

## 220 mm x 460 mm x 145 mm SKF 22344 CC/W33 spherical roller bearings

Bearing No. 22344 CC/W33



22344 CC/W33 Bearing 2D drawings and 3D CAD models

Size	460x220x145 mm
Bore Diameter	460 mm
Outer Diameter	220 mm
Width	145 mm
d	220 mm
D	460 mm
B	145 mm
d <sub>2</sub>	279 mm
D <sub>1</sub>	389 mm
b	22.3 mm
K	12 mm
r <sub>1,2</sub> - min.	5 mm
d <sub>a</sub> - min.	240 mm
D <sub>a</sub> - max.	440 mm
r <sub>a</sub> - max.	4 mm
Basic dynamic load rating - C	2839 kN
Basic static load rating - C <sub>0</sub>	3450 kN
Fatigue load limit - P <sub>u</sub>	260 kN
Reference speed	1000 r/min
Limiting speed	1400 r/min
Calculation factor - e	0.31
Calculation factor - Y <sub>1</sub>	2.2
Calculation factor - Y <sub>2</sub>	3.3
Calculation factor - Y <sub>0</sub>	2.2



## AMERICAN BEARING MFG.CORP.

Category	Spherical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	119.908
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	220MM Straight Bore; 460MM Outside Diameter; 145MM 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	264.114
Outside Diameter	18.11 Inch   460 Millimeter
Bore	8.661 Inch   220 Millimeter



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Adapter Part Number	Not Applicable Inch   Not Applicable Millimeter
Width	5.709 Inch   145 Millimeter
bore diameter:	220 mm
maximum rpm:	1400 RPM
outside diameter:	460 mm
operating temperature range:	Maximum of +390 ° F
overall width:	145 mm
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:	145 mm
dynamic load capacity:	2700 kN
fillet radius:	4 mm
static load capacity:	3450 kN
series:	223
$d_2$	279 mm
$D_1$	389 mm
$r_{1,2}$ min.	5 mm
$d_a$ min.	240 mm
$D_a$ max.	440 mm
$r_a$ max.	4 mm
Basic dynamic load rating C	2839 kN
Basic static load rating $C_0$	3450 kN
Fatigue load limit $P_u$	260 kN



## AMERICAN BEARING MFG.CORP.

Calculation factor e	0.31
Calculation factor $Y_1$	2.2
Calculation factor $Y_2$	3.3
Calculation factor $Y_0$	2.2
Mass bearing	120 kg