



# BEARING USA CORP.



420 mm x 520 mm x 46 mm SKF 61884 MA  
deep groove ball bearings

Bearing No. 61884 MA

61884 MA Bearing 2D drawings and 3D CAD models

Size	520x420x46 mm
Bore Diameter	520 mm
Outer Diameter	420 mm
Width	46 mm
d	420 mm
D	520 mm
B	46 mm
d <sub>1</sub>	452 mm
D <sub>1</sub>	490.16 mm
r <sub>1,2</sub> - min.	2.1 mm
d <sub>a</sub> - min.	432 mm
D <sub>a</sub> - max.	508 mm
r <sub>a</sub> - max.	2 mm
Basic dynamic load rating - C	251 kN
Basic static load rating - C <sub>0</sub>	425 kN
Fatigue load limit - P <sub>u</sub>	8.3 kN
Reference speed	2200 r/min
Limiting speed	1800 r/min
Calculation factor - k <sub>r</sub>	0.015
Calculation factor - f <sub>0</sub>	17
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A



## BEARING USA CORP.

Weight / Kilogram	32.539
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	Brass
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	420MM Bore; 520MM Outside Diameter; 46MM 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	61884 MA
Weight / LBS	59.4
Outer Race Width	1.811 Inch   46 Millimeter
Bore	16.535 Inch   420 Millimeter
Outside Diameter	20.472 Inch   520 Millimeter
bore diameter:	420 mm
static load capacity:	425 kN
outside diameter:	520 mm
precision rating:	Not Rated



## BEARING USA CORP.

overall width:	46 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Brass
closure type:	Open
outer ring width:	46 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	2 mm
snap ring included:	Without Snap Ring
maximum rpm:	1800 RPM
internal clearance:	C0
series:	61
dynamic load capacity:	251 kN
$d_1$	452 mm
$D_1$	490.16 mm
$r_{1,2}$ min.	2.1 mm
$d_a$ min.	432 mm
$D_a$ max.	508 mm
$r_a$ max.	2 mm
Basic dynamic load rating C	251 kN
Basic static load rating $C_0$	425 kN
Fatigue load limit $P_u$	8.3 kN
Calculation factor $k_r$	0.015
Calculation factor $f_0$	17
Mass bearing	21.5 kg