



# USK BEARING COMPANY



220 mm x 300 mm x 38 mm skf 61944 MA Deep groove ball bearings

Bearing No. 61944 MA

61944 MA Bearing 2D drawings and 3D CAD models

Size	300x220x38 mm
Bore Diameter	300 mm
Outer Diameter	220 mm
Width	38 mm
d	220 mm
D	300 mm
B	38 mm
d <sub>1</sub>	245.7 mm
D <sub>1</sub>	275.2 mm
r <sub>1,2</sub> - min.	2.1 mm
d <sub>a</sub> - min.	230 mm
D <sub>a</sub> - max.	290 mm
r <sub>a</sub> - max.	2 mm
Basic dynamic load rating - C	151 kN
Basic static load rating - C <sub>0</sub>	180 kN
Fatigue load limit - P <sub>u</sub>	4.8 kN
Reference speed	4300 r/min
Limiting speed	3600 r/min
Calculation factor - k <sub>r</sub>	0.02
Calculation factor - f <sub>0</sub>	16.6
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A



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Weight / Kilogram	8.17
EAN	7316576639456
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	220MM Bore; 300MM Outside Diameter; 38MM 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	61944 MA
Weight / LBS	17.99
Bore	8.661 Inch   220 Millimeter
Outer Race Width	1.496 Inch   38 Millimeter
Outside Diameter	11.811 Inch   300 Millimeter
bore diameter:	220 mm
static load capacity:	180 kN
outside diameter:	300 mm



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precision rating:	Not Rated
overall width:	38 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Brass
closure type:	Open
outer ring width:	38 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	2 mm
snap ring included:	Without Snap Ring
maximum rpm:	3600 RPM
internal clearance:	C0
series:	61
dynamic load capacity:	151 kN
$d_1$	245.7 mm
$D_1$	275.2 mm
$r_{1,2}$ min.	2.1 mm
$d_a$ min.	230 mm
$D_a$ max.	290 mm
$r_a$ max.	2 mm
Basic dynamic load rating C	151 kN
Basic static load rating $C_0$	180 kN
Fatigue load limit $P_u$	4.75 kN
Calculation factor $k_r$	0.02
Calculation factor $f_0$	16.6
Mass bearing	7.93 kg