

# 13944 SKF 220x300x60mm

## Calculation factor Y0 3.6

### Self aligning ball bearings

Bearing number	13944
Size (mm)	220x300x60
Brand	SKF
Bore Diameter (mm)	220
Outer Diameter (mm)	300
Width (mm)	60
d	220 mm
D	300 mm
B	60 mm
C	60 mm
b	8.3 mm
d2	249 mm
r1 min.	2.1 mm
r2 min.	2.1 mm
D1	278 mm
K	4.5 mm
da min.	231 mm
Da max.	289 mm
ra max.	2 mm
Weight	11 Kg
Basic dynamic load rating (C)	60.5 kN
Basic static load rating (C0)	30.5 kN
Fatigue load limit (Pu)	0.97
Reference speed	3800 r/min

Limiting speed	2400 r/min
Calculation factor (e)	0.18
Calculation factor (kr)	0.015
Calculation factor (Y0)	3.6
Calculation factor (Y1)	3.5
Rolling Element	Ball Bearing
Cage Material	Steel
Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	11.94
EAN	7316571591339
Product Group – BDI	B00152
Mounting Method	Shaft
Enclosure	Open
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	220MM Bore; Shaft Mount; 300MM Outside Diameter; 60MM Inner Race Width; 60MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1   ISO P0; C0-Medium
Inch – Metric	Metric
Category – BDI	Self Aligning Ball Bearings
UNSPSC	31171532
Harmonized Tariff Code	8482.10.50.68

Noun	Bearing
Keyword String	Self Aligning
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	13944
Weight / LBS	26.296
Bore	8.661 Inch   220 Millimeter
Inner Race Width	2.362 Inch   60 Millimeter
Outside Diameter	11.811 Inch   300 Millimeter
Outer Race Width	2.362 Inch   60 Millimeter
$d_1 \approx$	248.9 mm
$D_1 \approx$	277.8 mm
$r_{1,2} \text{ min.}$	2.1 mm
$d_a \text{ min.}$	231 mm
$D_a \text{ max.}$	289 mm
$r_a \text{ max.}$	2 mm
Basic dynamic load rating C	60.5 kN
Basic static load rating $C_0$	30.5 kN
Fatigue load limit $P_u$	0.97 kN
Permissible angular misalignment $\alpha$	3 °
Calculation factor $k_r$	0.015
Calculation factor e	0.18
Calculation factor $Y_0$	3.6
Calculation factor $Y_1$	3.5
Calculation factor $Y_2$	5.4
Mass bearing	11 kg