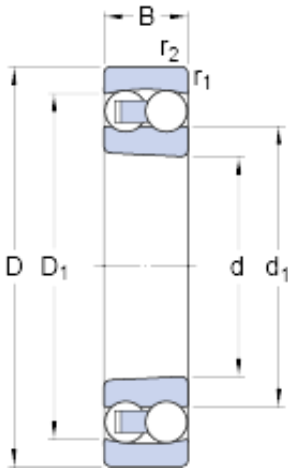




## Bearing company



2211 ektn9 Bearing 2D drawings and 3D CAD models

55 mm x 100 mm x 25 mm skf 2211 ektn9 bearing

Bearing No. 2211 ektn9

Size	100x55x25 mm
Bore Diameter	100 mm
Outer Diameter	55 mm
Width	25 mm
d	55 mm
D	100 mm
B	25 mm
d <sub>1</sub>	67.71 mm
D <sub>1</sub>	87.8 mm
r <sub>1,2</sub> - min.	1.5 mm
D <sub>a</sub> - max.	91 mm
r <sub>a</sub> - max.	1.5 mm
Basic dynamic load rating - C	39 kN
Basic static load rating - C <sub>0</sub>	13.4 kN
Fatigue load limit - P <sub>u</sub>	0.7 kN
Reference speed	12000 r/min
Limiting speed	8500 r/min
Calculation factor - k <sub>r</sub>	0.045
Calculation factor - e	0.23
Calculation factor - Y <sub>0</sub>	2.8
Calculation factor - Y <sub>1</sub>	2.7
Calculation factor - Y <sub>2</sub>	4.2
Category	Self Aligning Ball Bearings



## Bearing company

Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.81
EAN	7316576620607
Product Group	B00152
Mounting Method	Tapered Adapter
Enclosure	Open
Rolling Element	Ball Bearing
Adapter Sleeve	H-311
Cage Material	Polyamide
Precision Class	ABEC 1   ISO P0
Internal Clearance	C0-Medium
Number of Rows of Balls	Double Row
Other Features	Allowable Misalignment 2.5 Deg   High Capacity Design   1:12 Taper
Long Description	55MM Bore; Tapered Adapter Mount; 100MM Outside Diameter; 25MM Inner Race Width; 25MM Outer Race Width; Open; Polyamide Cage; Double Row of Balls; ABEC 1   ISO P0; C0-Medium
Inch - Metric	Metric
Category	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	2211 EKTN9
Weight / LBS	1.786
Inner Race Width	0.984 Inch   25 Millimeter



## Bearing company

Outside Diameter	3.937 Inch   100 Millimeter
Bore	2.165 Inch   55 Millimeter
Outer Race Width	0.984 Inch   25 Millimeter
bore diameter:	55 mm
precision rating:	Not Rated
outside diameter:	100 mm
maximum rpm:	8500 RPM
overall width:	25 mm
cage material:	Fiberglass Reinforced Nylon
bore type:	Tapered 1:12
finish/coating:	Uncoated
closure type:	Open
maximum misalignment:	2.5 °
internal clearance:	C3
outer ring width:	25 mm
dynamic load capacity:	39 kN
fillet radius:	1.1 mm
static load capacity:	13.4 kN
series:	2200
$d_1$	67.71 mm
$D_1$	87.8 mm
$r_{1,2}$ min.	1.5 mm
$D_a$ max.	91 mm
$r_a$ max.	1.5 mm
Basic dynamic load rating C	39 kN
Basic static load rating $C_0$	13.4 kN
Fatigue load limit $P_u$	0.7 kN
Permissible angular misalignment	2.5 °
Calculation factor $k_r$	0.045
Calculation factor e	0.23
Calculation factor $Y_0$	2.8
Calculation factor $Y_1$	2.7



## Bearing company

Calculation factor $Y_2$	4.2
Mass bearing	0.81 kg