



**Bearing No. 2211 EKTN9**

D	100 mm
d	55 mm
B	25 mm
Bore	2.165 Inch   55 Millimeter
Noun	Bearing
UNSPSC	31171532
series:	2200
Category	Self Aligning Ball Bearings
Inventory	0.0
Size (mm)	100x55x25
Enclosure	Open
Width (mm)	25
bore type:	Tapered 1:12
Mass bearing	0.81 kg
Weight / LBS	1.786
maximum rpm:	8500 RPM
closure type:	Open
D <sub>1</sub>	87.8 mm
Inch - Metric	Metric
d <sub>1</sub>	67.71 mm
Cage Material	Polyamide
Product Group	B00152
bore diameter:	55 mm
overall width:	25 mm
Keyword String	Self Aligning
cage material:	Fiberglass Reinforced Nylon
fillet radius:	1.1 mm
Other Features	Allowable Misalignment

	2.5 Deg   High Capacity Design   1:12 Taper
Adapter Sleeve	H-311
Bearing number	2211 EKTN9
Limiting speed	8500 r/min
Mounting Method	Tapered Adapter
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Reference speed	12000 r/min
Precision Class	ABEC 1   ISO P0
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
Outer Race Width	0.984 Inch   25 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Inner Race Width	0.984 Inch   25 Millimeter
Outside Diameter	3.937 Inch   100 Millimeter
Manufacturer Name	SKF
outer ring width:	25 mm
outside diameter:	100 mm
Weight / Kilogram	0.81
precision rating:	Not Rated
Internal Clearance	C0-Medium
r <sub>a</sub> max.	1.5 mm
D <sub>a</sub> max.	91 mm
Bore Diameter (mm)	100

Outer Diameter (mm)	55
internal clearance:	C3
$r_{1,2}$ min.	1.5 mm
Calculation factor e	0.23
$D_a$ - max.	91 mm
$r_a$ - max.	1.5 mm
Minimum Buy Quantity	N/A
$D_1$ ?	87.8 mm
maximum misalignment:	2.5 °
static load capacity:	13.4 kN
$d_1$ ?	67.71 mm
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	1.5 mm
dynamic load capacity:	39 kN
Calculation factor - e	0.23
Number of Rows of Balls	Double Row
Manufacturer Item Number	2211 EKTN9
Basic dynamic load rating C	39 kN
Basic dynamic load rating - C	39 kN
Fatigue load limit $P_u$	0.7 kN
Calculation factor $k_r$	0.045
Calculation factor $Y_0$	2.8
Calculation factor $Y_1$	2.7
Calculation factor $Y_2$	4.2
Calculation factor - $Y_2$	4.2
Calculation factor - $Y_0$	2.8
Calculation factor - $k_r$	0.045
Fatigue load limit - $P_u$	0.7 kN
Calculation factor - $Y_1$	2.7

Permissible angular misalignment ?	2.5 °
Basic static load rating $C_0$	13.4 kN
Basic static load rating - $C_0$	13.4 kN