



Bearing No. 2211 E-2RS1KTN9

D	100 mm
d	55 mm
B	25 mm
Noun	Bearing
Bore	2.165 Inch 55 Millimeter
UNSPSC	31171532
series:	2200
Category	Self Aligning Ball Bearings
Size (mm)	100x55x25
Enclosure	2 Seals
Inventory	0.0
bore type:	Tapered 1:12
Width (mm)	25
maximum rpm:	4300 RPM
Weight / LBS	1.797
Mass bearing	0.79 kg
d ₂	65.9 mm
closure type:	Double Sealed
D ₂	88.5 mm
Inch - Metric	Metric
Product Group	B00152
Cage Material	Polyamide
Limiting speed	4300 r/min
Adapter Sleeve	H-311
fillet radius:	1.5 mm
cage material:	Fiberglass Reinforced Nylon
overall width:	25 mm
bore diameter:	55 mm

Keyword String	Self Aligning
Other Features	Allowable Misalignment 1.5 Deg High Capacity Design 1:12 Taper
Bearing number	2211 E-2RS1KTN9
Rolling Element	Ball Bearing
Precision Class	ABEC 1 ISO P0
finish/coating:	Uncoated
Mounting Method	Tapered Adapter
Manufacturer URL	http://www.skf.com
Outer Race Width	0.984 Inch 25 Millimeter
Outside Diameter	3.937 Inch 100 Millimeter
Inner Race Width	0.984 Inch 25 Millimeter
Long Description	55MM Bore; Tapered Adapter Mount; 100MM Outside Diameter; 25MM Inner Race Width; 25MM Outer Race Width; 2 Seals; Polyamide Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
precision rating:	Not Rated
Weight / Kilogram	0.816
outer ring width:	25 mm
Manufacturer Name	SKF
outside diameter:	100 mm
r _a max.	1.5 mm
D _a max.	91 mm
Bore Diameter (mm)	100
Internal Clearance	C0-Medium
Outer Diameter (mm)	55

internal clearance:	C0
r_a - max.	1.5 mm
Calculation factor e	0.19
D_a - max.	91 mm
Minimum Buy Quantity	N/A
$r_{1,2}$ min.	1.5 mm
d_2 ?	65.9 mm
D_2 ?	88.5 mm
static load capacity:	10.6 kN
maximum misalignment:	2.5 °
$r_{1,2}$ - min.	1.5 mm
Calculation factor - e	0.19
dynamic load capacity:	27.6 kN
Harmonized Tariff Code	8482.10.50.68
Number of Rows of Balls	Double Row
Manufacturer Item Number	2211 E-2RS1KTN9
Basic dynamic load rating C	27.6 kN
operating temperature range:	-40 to +210 °F
Basic dynamic load rating - C	27.6 kN
Calculation factor k_r	0.045
Calculation factor Y_2	5.1
Calculation factor Y_1	3.3
Calculation factor Y_0	3.6
Fatigue load limit P_u	0.54 kN
Fatigue load limit - P_u	0.54 kN
Calculation factor - Y_1	3.3
Calculation factor - Y_2	5.1
Calculation factor - Y_0	3.6
Calculation factor - k_r	0.045

Permissible angular misalignment ?	1.5 °
Basic static load rating C_0	10.6 kN
Basic static load rating - C_0	10.6 kN