



Bearing No. 2210 ETN9

D	90 mm
d	50 mm
B	23 mm
Bore	1.969 Inch 50 Millimeter
Noun	Bearing
UNSPSC	31171532
series:	2200
Category	Self Aligning Ball Bearings
Enclosure	Open
Inventory	0.0
Size (mm)	90x50x23
Width (mm)	23
bore type:	Straight
Weight / LBS	1.323
Mass bearing	0.6 kg
maximum rpm:	9500 RPM
Product Group	B00152
closure type:	Open
D ₁	80.2 mm
Inch - Metric	Metric
d ₁	61.47 mm
Cage Material	Polyamide
bore diameter:	50 mm
overall width:	23 mm
Keyword String	Self Aligning
cage material:	Fiberglass Reinforced Nylon
Other Features	Allowable Misalignment 2.5 Deg High Capacity

	Design
fillet radius:	1.1 mm
Bearing number	2210 ETN9
Limiting speed	9500 r/min
Mounting Method	Shaft
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 1 ISO P0
Reference speed	14000 r/min
Outer Race Width	0.906 Inch 23 Millimeter
Inner Race Width	0.906 Inch 23 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	50MM Bore; Shaft Mount; 90MM Outside Diameter; 23MM Inner Race Width; 23MM Outer Race Width; Open; Polyamide Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
Outside Diameter	3.543 Inch 90 Millimeter
outer ring width:	23 mm
Weight / Kilogram	0.6
precision rating:	Not Rated
Manufacturer Name	SKF
outside diameter:	90 mm
Bore Diameter (mm)	90
D _a max.	83 mm
r _a max.	1.1 mm
Internal Clearance	C0-Medium
d _a min.	57 mm
Outer Diameter (mm)	50

internal clearance:	C0
$r_{1,2}$ min.	1.1 mm
Calculation factor e	0.23
d_a - min.	57 mm
D_a - max.	83 mm
r_a - max.	1.1 mm
Minimum Buy Quantity	N/A
static load capacity:	11.2 kN
D_1 ?	80.2 mm
maximum misalignment:	2.5 °
d_1 ?	61.47 mm
Calculation factor - e	0.23
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	1.1 mm
dynamic load capacity:	33.8 kN
Number of Rows of Balls	Double Row
Manufacturer Item Number	2210 ETN9
Basic dynamic load rating C	33.8 kN
Basic dynamic load rating - C	33.8 kN
Fatigue load limit P_u	0.57 kN
Calculation factor Y_2	4.2
Calculation factor Y_1	2.7
Calculation factor Y_0	2.8
Calculation factor k_r	0.045
Calculation factor - k_r	0.045
Calculation factor - Y_2	4.2
Calculation factor - Y_1	2.7
Fatigue load limit - P_u	0.57 kN
Calculation factor - Y_0	2.8

Permissible angular misalignment ?	2.5 °
Basic static load rating C ₀	11.2 kN
Basic static load rating - C ₀	11.2 kN