



Bearing No. 2200 ETN9

D	30 mm
d	10 mm
B	14 mm
Bore	0.394 Inch 10 Millimeter
Noun	Bearing
UNSPSC	31171532
series:	2200
Category	Self Aligning Ball Bearings
Enclosure	Open
Inventory	0.0
Size (mm)	30x10x14
Width (mm)	14
bore type:	Straight
Weight / LBS	0.104
Mass bearing	0.047 kg
maximum rpm:	34000 RPM
Product Group	B00152
closure type:	Open
D ₁	24.3 mm
Inch - Metric	Metric
d ₁	15.39 mm
Cage Material	Polyamide
bore diameter:	10 mm
overall width:	14 mm
Keyword String	Self Aligning
cage material:	Fiberglass Reinforced Nylon
Other Features	Allowable Misalignment 2.5 Deg High Capacity

	Design
fillet radius:	0.6 mm
Bearing number	2200 ETN9
Limiting speed	34000 r/min
Mounting Method	Shaft
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Reference speed	50000 r/min
Inner Race Width	0.551 Inch 14 Millimeter
Outer Race Width	0.551 Inch 14 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	10MM Bore; Shaft Mount; 30MM Outside Diameter; 14MM Inner Race Width; 14MM Outer Race Width; Open; Polyamide Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
Outside Diameter	1.181 Inch 30 Millimeter
outer ring width:	14 mm
Weight / Kilogram	0.053
precision rating:	Not Rated
Manufacturer Name	SKF
outside diameter:	30 mm
Bore Diameter (mm)	30
D _a max.	25.8 mm
r _a max.	0.6 mm
Internal Clearance	C0-Medium
d _a min.	14.2 mm
Outer Diameter (mm)	10

internal clearance:	C0
$r_{1,2}$ min.	0.6 mm
Calculation factor e	0.54
d_a - min.	14.2 mm
D_a - max.	25.8 mm
r_a - max.	0.6 mm
Minimum Buy Quantity	N/A
static load capacity:	1.73 kN
D_1 ?	24.3 mm
maximum misalignment:	2.5 °
d_1 ?	15.39 mm
Calculation factor - e	0.54
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	0.6 mm
dynamic load capacity:	8.06 kN
Number of Rows of Balls	Double Row
Manufacturer Item Number	2200 ETN9
Basic dynamic load rating C	8.06 kN
Basic dynamic load rating - C	8.1 kN
Fatigue load limit P_u	0.09 kN
Calculation factor Y_2	1.8
Calculation factor Y_1	1.15
Calculation factor Y_0	1.3
Calculation factor k_r	0.045
Calculation factor - k_r	0.045
Calculation factor - Y_2	1.8
Calculation factor - Y_1	1.15
Fatigue load limit - P_u	0.09 kN
Calculation factor - Y_0	1.3

Permissible angular misalignment ?	2.5 °
Basic static load rating C ₀	1.73 kN
Basic static load rating - C ₀	1.7 kN