



BROWNING BEARING COMPANY



2205 etn9 Bearing 2D drawings and 3D CAD models

25 mm x 52 mm x 18 mm skf 2205 etn9 bearing

Bearing No. 2205 etn9

Category	Self Aligning Ball Bearings
Inventory	2.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.16
EAN	7316576623127
Product Group	B00152
Mounting Method	Shaft
Enclosure	Open
Rolling Element	Ball Bearing
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
Long Description	25MM Bore; Shaft Mount; 52MM Outside Diameter; 18MM Inner Race Width; 18MM 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



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Keyword String	Self Aligning
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	2205 ETN9
Weight / LBS	0.353
Inner Race Width	0.709 Inch 18 Millimeter
D	2.047 Inch 52 Millimeter
d	0.984 Inch 25 Millimeter
Outer Race Width	0.709 Inch 18 Millimeter
bore diameter:	25 mm
precision rating:	Not Rated
outside diameter:	52 mm
maximum rpm:	18000 RPM
overall width:	18 mm
cage material:	Fiberglass Reinforced Nylon
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
maximum misalignment:	2.5 °
internal clearance:	C0
outer ring width:	18 mm
dynamic load capacity:	16.8 kN
fillet radius:	1 mm
static load capacity:	4.4 kN
series:	2200
d	25 mm
D	52 mm
B	18 mm
d ₁	32.28 mm
D ₁	45.1 mm
r _{1,2} min.	1 mm
d _a min.	30.6 mm
D _a max.	46.4 mm



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r_a max.	1 mm
Basic dynamic load rating C	16.8 kN
Basic static load rating C_0	4.4 kN
Fatigue load limit P_u	0.23 kN
Reference speed	26000 r/min
Limiting speed	18000 r/min
Permissible angular misalignment	2.5 °
Calculation factor k_r	0.045
Calculation factor e	0.35
Calculation factor Y_0	1.8
Calculation factor Y_1	1.8
Calculation factor Y_2	2.8
Mass bearing	0.16 kg