



BEARING INDUSTRIA CUSCINETTI S.P.A.



2210 E-2RS1KTN9 Bearing 2D drawings and 3D CAD models

50 mm x 90 mm x 23 mm skf 2210
E-2RS1KTN9 Self-aligning ball bearings

Bearing No. 2210 E-2RS1KTN9

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.593
EAN	7316577312082
Product Group	B00152
Mounting Method	Tapered Adapter
Enclosure	2 Seals
Rolling Element	Ball Bearing
Adapter Sleeve	H-310
Cage Material	Polyamide
Precision Class	ABEC 1 ISO P0
Internal Clearance	C0-Medium
Number of Rows of Balls	Double Row
Other Features	Allowable Misalignment 1.5 Deg High Capacity Design 1:12 Taper
Long Description	50MM Bore; Tapered Adapter Mount; 90MM Outside Diameter; 23MM Inner Race Width; 23MM Outer Race Width; 2 Seals; Polyamide Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
Inch - Metric	Metric
Category	Self Aligning Ball Bearings



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UNSPSC	31171532
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Self Aligning
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	2210 E-2RS1KTN9
Weight / LBS	1.307
Outer Race Width	0.906 Inch 23 Millimeter
D	3.543 Inch 90 Millimeter
d	1.969 Inch 50 Millimeter
Inner Race Width	0.906 Inch 23 Millimeter
bore diameter:	50 mm
precision rating:	Not Rated
outside diameter:	90 mm
maximum rpm:	4800 RPM
overall width:	23 mm
cage material:	Fiberglass Reinforced Nylon
bore type:	Tapered 1:12
finish/coating:	Uncoated
closure type:	Double Sealed
maximum misalignment:	2.5 °
internal clearance:	C0
outer ring width:	23 mm
operating temperature range:	-40 to +210 ° F
fillet radius:	1.1 mm
dynamic load capacity:	22.9 kN
series:	2200
static load capacity:	8.15 kN
d	50 mm
D	90 mm
B	23 mm
d ₂	57.7 mm



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D_2	79.4 mm
$r_{1,2}$ min.	1.1 mm
D_a max.	83 mm
r_a max.	1.1 mm
Basic dynamic load rating C	22.9 kN
Basic static load rating C_0	8.15 kN
Fatigue load limit P_u	0.42 kN
Limiting speed	4800 r/min
Permissible angular misalignment	1.5 °
Calculation factor k_r	0.045
Calculation factor e	0.2
Calculation factor Y_0	3.2
Calculation factor Y_1	3.2
Calculation factor Y_2	4.9
Mass bearing	0.57 kg