



# Timken BEARINGS ITALIA S.P.A.



2214 E-2RS1TN9 Bearing 2D drawings and 3D CAD models

## 70 mm x 125 mm x 31 mm SKF 2214 E-2RS1TN9 Self Aligning Ball Bearings

Bearing No. 2214 E-2RS1TN9

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.571
EAN	7316577732613
Product Group	B00152
Mounting Method	Shaft
Enclosure	2 Seals
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 1.5 Deg   High Capacity Design
Long Description	70MM Bore; Shaft Mount; 125MM Outside Diameter; 31MM Inner Race Width; 31MM 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
UNSPSC	31171532
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing



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Keyword String	Self Aligning
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	2214 E-2RS1TN9
Weight / LBS	3.197
D	4.921 Inch   125 Millimeter
d	2.756 Inch   70 Millimeter
Outer Race Width	1.22 Inch   31 Millimeter
Inner Race Width	1.22 Inch   31 Millimeter
bore diameter:	70 mm
precision rating:	Not Rated
outside diameter:	125 mm
maximum rpm:	3400 RPM
overall width:	31 mm
cage material:	Fiberglass Reinforced Nylon
bore type:	Straight
finish/coating:	Uncoated
closure type:	Double Sealed
maximum misalignment:	2.5 °
internal clearance:	C0
outer ring width:	31 mm
operating temperature range:	-40 to +210 ° F
fillet radius:	1.5 mm
dynamic load capacity:	35.8 kN
series:	2200
static load capacity:	14.6 kN
d	70 mm
D	125 mm
B	31 mm
d <sub>2</sub>	81.45 mm
D <sub>2</sub>	108.5 mm
r <sub>1,2</sub> min.	1.5 mm



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$d_a$ min.	79 mm
$d_a$ max.	81 mm
$D_a$ max.	116 mm
$r_a$ max.	1.5 mm
Basic dynamic load rating C	35.8 kN
Basic static load rating $C_0$	14.6 kN
Fatigue load limit $P_u$	0.75 kN
Limiting speed	3400 r/min
Permissible angular misalignment	1.5 °
Calculation factor $k_r$	0.045
Calculation factor e	0.18
Calculation factor $Y_0$	3.6
Calculation factor $Y_1$	3.5
Calculation factor $Y_2$	5.4
Mass bearing	1.45 kg