



# NTNY BEARING LTD



1210 EKTN9 Bearing 2D drawings and 3D CAD models

50 mm x 90 mm x 20 mm skf 1210 ektn9 bearing

Bearing No. 1210 ektn9

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.53
EAN	7316576625060
Product Group	B00152
Mounting Method	Tapered Adapter
Enclosure	Open
Rolling Element	Ball Bearing
Adapter Sleeve	H-210
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   1:12 Taper
Long Description	50MM Bore; Tapered Adapter Mount; 90MM Outside Diameter; 20MM Inner Race Width; 20MM 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



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Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Self Aligning
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	1210 EKTN9
Weight / LBS	1.168
Outer Race Width	0.787 Inch   20 Millimeter
d	1.969 Inch   50 Millimeter
D	3.543 Inch   90 Millimeter
Inner Race Width	0.787 Inch   20 Millimeter
bore diameter:	50 mm
precision rating:	Not Rated
outside diameter:	90 mm
maximum rpm:	10000 RPM
overall width:	20 mm
cage material:	Fiberglass Reinforced Nylon
bore type:	Tapered 1:12
finish/coating:	Uncoated
closure type:	Open
maximum misalignment:	2.5 °
internal clearance:	C0
outer ring width:	20 mm
dynamic load capacity:	26.5 kN
fillet radius:	1.1 mm
static load capacity:	9.15 kN
series:	1200
d	50 mm
D	90 mm
B	20 mm
d <sub>1</sub>	61.7 mm
D <sub>1</sub>	78.1 mm
r <sub>1,2</sub> min.	1.1 mm



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D <sub>a</sub> max.	83 mm
r <sub>a</sub> max.	1.1 mm
Basic dynamic load rating C	26.5 kN
Basic static load rating C <sub>0</sub>	9.15 kN
Fatigue load limit P <sub>u</sub>	0.48 kN
Reference speed	16000 r/min
Limiting speed	10000 r/min
Permissible angular misalignment	2.5 °
Calculation factor k <sub>r</sub>	0.04
Calculation factor e	0.21
Calculation factor Y <sub>0</sub>	3.2
Calculation factor Y <sub>1</sub>	3
Calculation factor Y <sub>2</sub>	4.6
Mass bearing	0.53 kg