



Jinan QiMing Bearing Co., Ltd.



2304 TN9 Bearing 2D drawings and 3D CAD models

20 mm x 52 mm x 21 mm SKF 2304 TN9 Self Aligning Ball Bearings

Bearing No. 2304 TN9

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.23
EAN	7316575033460
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 3 Deg
Long Description	20MM Bore; Shaft Mount; 52MM Outside Diameter; 21MM Inner Race Width; 21MM 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	2304 TN9
Weight / LBS	0.507
d	0.787 Inch 20 Millimeter
Outer Race Width	0.827 Inch 21 Millimeter
Inner Race Width	0.827 Inch 21 Millimeter
D	2.047 Inch 52 Millimeter
bore diameter:	20 mm
precision rating:	Not Rated
outside diameter:	52 mm
maximum rpm:	19000 RPM
overall width:	21 mm
cage material:	Fiberglass Reinforced Nylon
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	21 mm
internal clearance:	C0
fillet radius:	1.1 mm
dynamic load capacity:	18.2 kN
series:	2300
static load capacity:	4.75 kN
d	20 mm
D	52 mm
B	21 mm
d ₁	29.15 mm
D ₁	41.9 mm
r _{1,2} min.	1.1 mm
d _a min.	27 mm
D _a max.	45 mm
r _a max.	1.1 mm



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Basic dynamic load rating C	18.2 kN
Basic static load rating C_0	4.75 kN
Fatigue load limit P_u	0.24 kN
Reference speed	26000 r/min
Limiting speed	19000 r/min
Permissible angular misalignment	3 °
Calculation factor k_r	0.05
Calculation factor e	0.52
Calculation factor Y_0	1.3
Calculation factor Y_1	1.2
Calculation factor Y_2	1.9
Mass bearing	0.22 kg