108 TN9 Bearing 2D drawings and 3D CAD models

8 mm x 22 mm x 7 mm SKF 108 TN9 Self Aligning Ball Bearings

Bearing No. 108 TN9

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.01
EAN	7316570017250
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	8MM Bore; Shaft Mount; 22MM Outside Diameter; 7MM Inner Race Width; 7MM 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

Keyword String	Self Aligning
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	108 TN9
Weight / LBS	0.031
D	0.866 Inch | 22 Millimeter
Inner Race Width	0.276 Inch | 7 Millimeter
d	0.315 Inch | 8 Millimeter
Outer Race Width	0.276 Inch | 7 Millimeter
bore diameter:	8 mm
precision rating:	Not Rated
outside diameter:	22 mm
maximum rpm:	40000 RPM
overall width:	7 mm
cage material:	Fiberglass Reinforced Nylon
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
maximum misalignment:	3 °
internal clearance:	C0
outer ring width:	7 mm
dynamic load capacity:	2.65 kN
fillet radius:	0.3 mm
static load capacity:	0.56 kN
series:	100
d	8 mm
D	22 mm
B	7 mm
$d_1 \approx$	12.709 mm
$D_1 \approx$	17.6 mm
$r_{1,2}$ min.	0.3 mm
d_a min.	10.4 mm
D_a max.	19.6 mm

r_a max.	0.3 mm
Basic dynamic load rating C	2.65 kN
Basic static load rating C_0	0.56 kN
Fatigue load limit P_u	0.029 kN
Reference speed	60000 r/min
Limiting speed	40000 r/min
Permissible angular misalignment α	3 °
Calculation factor k_r	0.03
Calculation factor e	0.33
Calculation factor Y_0	2
Calculation factor Y_1	1.9
Calculation factor Y_2	3
Mass bearing	0.014 kg