



# BEARING DRIVESHAFT, INC.



## 45 mm x 100 mm x 25 mm nsk 6309 bearing

Bearing No. 6309

Size	45x100x25 mm
Bore Diameter	45 mm
Outer Diameter	100 mm
Width	25 mm
d	45 mm
D	100 mm
B	25 mm
C	25 mm
r min.	1,5 mm
da min.	53 mm
da max	61,5 mm
Da max.	92 mm
ra max.	1,5 mm
Weight	0,829 Kg
Basic dynamic load rating (C)	53 kN
Basic static load rating (C0)	32 kN
(Grease) Lubrication Speed	6 700 r/min
(Oil) Lubrication Speed	8 000 r/min
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	0.833
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1   ISO P0

6309 Bearing 2D drawings and 3D CAD models



## BEARING DRIVESHAFT, INC.

Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	45MM Bore; 100MM Outside Diameter; 25MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	<a href="http://www.nskamericas.com">http://www.nskamericas.com</a>
Manufacturer Item Number	6309
Weight / LBS	0.833
Outside Diameter	3.937 Inch   100 Millimeter
Bore	1.772 Inch   45 Millimeter
Outer Race Width	0.984 Inch   25 Millimeter
bore diameter:	45 mm
static load capacity:	32000 N
outside diameter:	100 mm
precision rating:	ABEC 1 (ISO Class Normal)
overall width:	25 mm
finish/coating:	Uncoated
bore type:	Round



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cage material:	Steel
closure type:	Open
outer ring width:	25 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	1.5 mm
internal clearance:	C0
maximum rpm:	8000 RPM
operating temperature range:	Maximum of +250 ° F
series:	63
dynamic load capacity:	53000 N
SRI	9.04
hidYobi	6309
LangID	1
D_	100
SREX	0.03
B_	25
da min	53
hidTable	ecat_NSRDGB
Oil rpm	8000
SRE	9.04
mass	0.829
GRS rpm	6700
ra	1.5
SRIX	0.03
D_a	92
SRIN	-0.03
C0	32
fo	13.1
SREN	-0.03
DE_	91.982
Prod_Type3	DGBB_SR_OT
DA_	17.462



## BEARING DRIVESHAFT, INC.

bomp	0
Z_	8
yobi	6309
C_conv	53000
ALPHA_	0
SDM_	74.52
r	1.5
KBRG	6101
SBRG	3
DI_	57.058