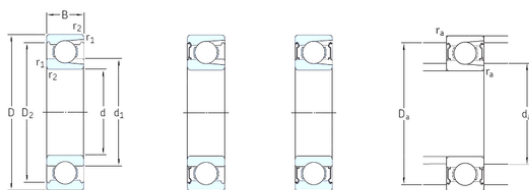




BEARING CORP.OF AMERICA



45 mm x 100 mm x 25 mm skf 309-2Z Deep groove ball bearings

Bearing No. 309-2Z

309-2Z Bearing 2D drawings and 3D CAD models

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
d1	62,1 mm
r1 min.	1,5 mm
r2 min.	1,5 mm
D2	86,7 mm
da min.	54 mm
da max	62 mm
Da max.	91 mm
ra max.	1,5 mm
Weight	0,88 Kg
Basic dynamic load rating (C)	55 kN
Basic static load rating (C0)	44 kN
Fatigue load limit (Pu)	1,86
Reference speed	13000 r/min
Limiting speed	7500 r/min
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF



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Minimum Buy Quantity	N/A
Weight / Kilogram	0.937
EAN	7316577292933
Product Group	B00308
Enclosure	2 Metal Shields
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	Yes
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; 2 Metal Shields; Ball Bearing; ABEC 1 ISO P0; Yes 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	http://www.skf.com
Manufacturer Item Number	309 2Z
Weight / LBS	2.02
Bore	1.772 Inch 45 Millimeter
Outside Diameter	3.937 Inch 100 Millimeter
Outer Race Width	0.984 Inch 25 Millimeter
bore diameter:	45 mm
static load capacity:	44 kN



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outside diameter:	100 mm
precision rating:	ABEC 3 (ISO Class 6)
overall width:	25 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Double Shielded
outer ring width:	25 mm
row type & fill slot:	Single Row Filling Slot
fillet radius:	1.5 mm
snap ring included:	Without Snap Ring
maximum rpm:	7500 RPM
internal clearance:	C0
series:	30
dynamic load capacity:	55 kN
thrust application warning:	This product can not be used in Thrust Applications
d_1	62.18 mm
D_2	86.7 mm
$r_{1,2}$ min.	1.5 mm
d_a min.	54 mm
d_a max.	62 mm
D_a max.	91 mm
r_a max.	1.5 mm
Basic dynamic load rating C	55 kN
Basic static load rating C_0	44 kN
Fatigue load limit P_u	1.86 kN
Calculation factor k_r	0.05
Mass bearing	0.88 kg