



Bearing No. 309

D	100 mm
d	45 mm
B	25 mm
Noun	Bearing
Bore	1.772 Inch 45 Millimeter
UNSPSC	31171504
series:	30
Category	Single Row Ball Bearing
Inventory	1.0
Enclosure	Open
Size (mm)	100x45x25
Snap Ring	No
Width (mm)	25
bore type:	Round
Weight / LBS	2.02
Mass bearing	0.88 kg
maximum rpm:	7500 RPM
Inch - Metric	Metric
Product Group	B00308
Cage Material	Steel
closure type:	Open
D2	86.7 mm
d1	62.18 mm
Keyword String	Ball
bore diameter:	45 mm
cage material:	Steel
fillet radius:	1.5 mm
overall width:	25 mm
Bearing number	309

Limiting speed	7500 r/min
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Reference speed	13000 r/min
Manufacturer URL	http://www.skf.com
Long Description	45MM Bore; 100MM Outside Diameter; 25MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; Yes Filling Slot; No Snap Ring; No Internal Special Features
Outside Diameter	3.937 Inch 100 Millimeter
Outer Race Width	0.984 Inch 25 Millimeter
precision rating:	ABEC 3 (ISO Class 6)
outside diameter:	100 mm
outer ring width:	25 mm
Manufacturer Name	SKF
Weight / Kilogram	0.915
da min.	54 mm
Bore Diameter (mm)	100
Da max.	91 mm
Internal Clearance	C0-Medium
ra max.	1.5 mm
internal clearance:	C0
Outer Diameter (mm)	45
snap ring included:	Without Snap Ring
da - min.	54 mm
r1,2 min.	1.5 mm
ra - max.	1.5 mm
Da - max.	91 mm

Minimum Buy Quantity	N/A
static load capacity:	44 kN
D2 ?	86.7 mm
d1 ?	62.18 mm
row type & fill slot:	Single Row Filling Slot
r1,2 - min.	1.5 mm
dynamic load capacity:	55 kN
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	309
Internal Special Features	No
thrust application warning:	This product can not be used in Thrust Applications
Basic dynamic load rating C	55 kN
Basic dynamic load rating - C	55 kN
Maximum Capacity / Filling Slot	Yes
Fatigue load limit Pu	1.86 kN
Calculation factor kr	0.05
Fatigue load limit - Pu	1.9 kN
Calculation factor - kr	0.05
Basic static load rating C0	44 kN
Basic static load rating - C0	44 kN