



### Bearing No. 6309-ZNR

b	2,7 mm
f	2,46 mm
d	45 mm
D	100 mm
B	25 mm
C	3,28 mm
d1	62,1 mm
D3	96,8 mm
D2	86,7 mm
D4	106,5 mm
Bore	1.772 Inch   45 Millimeter
Noun	Bearing
UNSPSC	31171504
da max	62,1 mm
Weight	0,87 Kg
Db min.	108 mm
Da max.	91 mm
ra max.	1,5 mm
da min.	3 mm
Ca max.	5,74 mm
ba min.	5,74 mm
r2 min.	1,5 mm
r0 max.	0,6 mm
r1 min.	1,5 mm
Category	Single Row Ball Bearing
Inventory	0.0
Enclosure	1 Metal Shield
Snap ring	SP 100
Size (mm)	45x100x25

Snap Ring	Yes
Width (mm)	25
Weight / LBS	1.9466
Mass bearing	0.86 kg
D <sub>3</sub>	96.8 mm
D <sub>4</sub>	106.5 mm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
Keyword String	Ball
Other Features	Deep Groove   With Snap Ring
Bearing number	6309-ZNR
Limiting speed	9500 r/min
Rolling Element	Ball Bearing
Precision Class	ABEC 1   ISO P0
Reference speed	15000 r/min
Outer Race Width	0.984 Inch   25 Millimeter
Outside Diameter	3.937 Inch   100 Millimeter
Inner Race Width	0 Inch   0 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Long Description	45MM Bore; 100MM Outside Diameter; 25MM Outer Race Width; 1 Metal Shield; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Ste
Manufacturer Name	SKF
Weight / Kilogram	0
r <sub>a</sub> max.	1.5 mm

$C_a$ max.	5.74 mm
$b_a$ min.	3 mm
$D_b$ min.	108 mm
Internal Clearance	C0-Medium
$D_a$ max.	91 mm
Bore Diameter (mm)	45
$d_a$ max.	62.1 mm
$d_a$ min.	54 mm
$r_0$ max.	0.6 mm
Outer Diameter (mm)	100
$r_{1,2}$ min.	1.5 mm
Minimum Buy Quantity	N/A
$d_1$ ?	62.18 mm
$D_2$ ?	86.7 mm
Harmonized Tariff Code	8482.10.50.68
Fatigue load limit (Pu)	1,34
Calculation factor (f0)	13
Manufacturer Item Number	6309-ZNR
Internal Special Features	No
Basic dynamic load rating C	55.3 kN
Basic dynamic load rating (C)	55,3 kN
Basic static load rating (C0)	31,5 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	1.34 kN
Calculation factor $k_r$	0.03
Calculation factor $f_0$	13
Basic static load rating $C_0$	31.5 kN

