



### Bearing No. 6311-ZNR

b	3,1 mm
f	2,82 mm
d	55 mm
D	120 mm
B	29 mm
C	4,06 mm
D4	129,7 mm
D3	115,21 mm
D2	104 mm
d1	75,3 mm
Bore	2.165 Inch   55 Millimeter
Noun	Bearing
UNSPSC	31171504
da max	75,2 mm
Weight	1,45 Kg
Da max.	109 mm
Db min.	131 mm
ra max.	2 mm
da min.	3,5 mm
Ca max.	6,88 mm
ba min.	6,88 mm
r2 min.	2 mm
r0 max.	0,6 mm
r1 min.	2 mm
Category	Single Row Ball Bearing
Inventory	0.0
Snap Ring	Yes
Snap ring	SP 120
Enclosure	1 Metal Shield

Size (mm)	55x120x29
Width (mm)	29
Weight / LBS	3.19
Mass bearing	1.43 kg
D <sub>3</sub>	115.21 mm
D <sub>4</sub>	129.7 mm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
Keyword String	Ball
Bearing number	6311-ZNR
Limiting speed	8000 r/min
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
Reference speed	12000 r/min
Long Description	55MM Bore; 120MM Outside Diameter; 29MM Outer Race Diameter; 1 Metal Shield; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features
Outer Race Width	1.142 Inch   29 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	4.724 Inch   120 Millimeter
Manufacturer Name	SKF
Weight / Kilogram	1.45
r <sub>0</sub> max.	0.6 mm
D <sub>a</sub> max.	109 mm
d <sub>a</sub> min.	66 mm
d <sub>a</sub> max.	75.2 mm

$b_a$ min.	3.5 mm
$D_b$ min.	131 mm
Internal Clearance	C0-Medium
Bore Diameter (mm)	55
$C_a$ max.	6.88 mm
$r_a$ max.	2 mm
Outer Diameter (mm)	120
$r_{1,2}$ min.	2 mm
Minimum Buy Quantity	N/A
$D_2$ ?	103.7 mm
$d_1$ ?	75.34 mm
Harmonized Tariff Code	8482.10.50.68
Fatigue load limit (Pu)	1,9
Calculation factor (f0)	13
Manufacturer Item Number	6311-ZNR
Internal Special Features	No
Basic dynamic load rating C	74.1 kN
Basic dynamic load rating (C)	74,1 kN
Basic static load rating (C0)	45 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	1.9 kN
Calculation factor $k_r$	0.03
Calculation factor $f_0$	13
Basic static load rating $C_0$	45 kN