



MACHINE PRECISION AXLE CORP.



6311 N Bearing 2D drawings and 3D CAD models

55 mm x 120 mm x 29 mm SKF 6311 N Single Row Ball Bearings

Bearing No. 6311 N

Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.366
EAN	7316570746525
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	Yes
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	55MM Bore; 120MM Outside Diameter; 29MM Outer Race Width; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage
Other Features	Deep Groove With Snap Ring Groove



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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	6311 N
Weight / LBS	2.9766
d	2.165 Inch 55 Millimeter
D	4.724 Inch 120 Millimeter
Inner Race Width	0 Inch 0 Millimeter
Outer Race Width	1.142 Inch 29 Millimeter
d	55 mm
D	120 mm
B	29 mm
d ₁	75.34 mm
D ₂	103.7 mm
D ₃	115.21 mm
b	3.1 mm
C	4.06 mm
r ₀ max.	0.6 mm
r _{1,2} min.	2 mm
d _a min.	66 mm
D _a max.	109 mm
D _b min.	131 mm
b _a min.	3.5 mm
C _a max.	6.88 mm
r _a max.	2 mm
Basic dynamic load rating C	74.1 kN
Basic static load rating C ₀	45 kN
Fatigue load limit P _u	1.9 kN
Reference speed	12000 r/min



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Limiting speed	8000 r/min
Calculation factor k_r	0.03
Calculation factor f_0	13
Mass bearing	1.35 kg