



Bearing No. 6311

D	120 mm
d	55 mm
B	29 mm
Bore	2.165 Inch 55 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	63
Category	Single Row Ball Bearing
Enclosure	Open
Inventory	1.0
Size (mm)	120x55x29
Snap Ring	No
Width (mm)	29
bore type:	Round
Weight / LBS	3.06
Mass bearing	1.37 kg
maximum rpm:	8000 RPM
closure type:	Open
D_2	103.7 mm
d_1	75.34 mm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
bore diameter:	55 mm
cage material:	Steel
Keyword String	Ball
fillet radius:	2 mm
overall width:	29 mm
Bearing number	6311

Limiting speed	8000 r/min
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Reference speed	12000 r/min
Outside Diameter	4.724 Inch 120 Millimeter
Outer Race Width	1.142 Inch 29 Millimeter
Long Description	55MM Bore; 120MM Outside Diameter; 29MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Manufacturer URL	http://www.skf.com
outer ring width:	29 mm
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	120 mm
Manufacturer Name	SKF
Weight / Kilogram	1.39
D _a max.	109 mm
Bore Diameter (mm)	120
Internal Clearance	C0-Medium
r _a max.	2 mm
d _a min.	66 mm
snap ring included:	Without Snap Ring
Outer Diameter (mm)	55
internal clearance:	C0
r _a - max.	2 mm
D _a - max.	109 mm
d _a - min.	66 mm

$r_{1,2}$ min.	2 mm
Minimum Buy Quantity	N/A
static load capacity:	45 kN
d_1 ?	75.34 mm
row type & fill slot:	Single Row Non-Fill Slot
D_2 ?	103.7 mm
dynamic load capacity:	74.1 kN
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	2 mm
Manufacturer Item Number	6311
Internal Special Features	No
Basic dynamic load rating C	74.1 kN
Basic dynamic load rating - C	74.1 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	1.9 kN
Calculation factor k_r	0.03
Calculation factor f_0	13.1
Fatigue load limit - P_u	1.9 kN
Calculation factor - k_r	0.03
Calculation factor - f_0	13.1
Basic static load rating C_0	45 kN
Basic static load rating - C_0	45 kN