



Bearing No. 31309 J2/QCL7C

B	25 mm
C	18 mm
a	31 mm
d	45 mm
D	100 mm
T	27.25 mm
series:	313
Category	Roller Bearings
Size (mm)	100x45x27.25
Inventory	2.0
cup width:	20.5 mm
Width (mm)	27,25
cone width:	26 mm
maximum rpm:	6700 RPM
flange type:	Non-Flanged Cup
Product Group	B04334
d ₁	74.7 mm
closure type:	Open
Bearing number	31309 J2/QCL7C
bore diameter:	45 mm
assembly type:	Cone & Cup
Limiting speed	6700 r/min
cage material:	Steel
finish/coating:	Uncoated
Reference speed	5000 r/min
Weight / Kilogram	0.975
bearing material:	Steel
outside diameter:	80 mm
Manufacturer Name	SKF
Bore Diameter (mm)	100

Outer Diameter (mm)	45
d_a - max.	56 mm
d_b - min.	54 mm
D_a - min.	79 mm
D_b - min.	95 mm
D_a - max.	91 mm
Minimum Buy Quantity	N/A
C_a - min.	4 mm
C_b - min.	9 mm
r_a - max.	2 mm
r_b - max.	1.5 mm
static load capacity:	102 kN
dynamic load capacity:	106 kN
Calculation factor - Y	0.72
Calculation factor - e	0.83
$r_{3,4}$ - min.	1.5 mm
$r_{1,2}$ - min.	2 mm
operating temperature range:	Maximum of +250 °F
Basic dynamic load rating - C	106 kN
Calculation factor - Y_0	0.4
Fatigue load limit - P_u	12.5 kN
Basic static load rating - C_0	102 kN