



## BEARING-MALAYSIA SDN.BHD.



50 mm x 110 mm x 27 mm SKF 31310  
J2/QCL7C tapered roller bearings

Bearing No. 31310 J2/QCL7C

31310 J2/QCL7C Bearing 2D drawings and 3D CAD models

Size	110x50x29.25 mm
Bore Diameter	110 mm
Outer Diameter	50 mm
Width	29,25 mm
d	50 mm
D	110 mm
T	29.25 mm
d <sub>1</sub>	81.5 mm
B	27 mm
C	19 mm
r <sub>1,2</sub> - min.	2.5 mm
r <sub>3,4</sub> - min.	2 mm
a	33.669 mm
d <sub>a</sub> - max.	62 mm
d <sub>b</sub> - min.	60 mm
D <sub>a</sub> - min.	87 mm
D <sub>a</sub> - max.	100 mm
D <sub>b</sub> - min.	104 mm
C <sub>a</sub> - min.	4 mm
C <sub>b</sub> - min.	10 mm
r <sub>a</sub> - max.	2.5 mm
r <sub>b</sub> - max.	2 mm
Basic dynamic load rating - C	122 kN
Basic static load rating - C <sub>0</sub>	120 kN



## BEARING-MALAYSIA SDN.BHD.

Fatigue load limit - $P_u$	14.3 kN
Reference speed	4500 r/min
Limiting speed	6000 r/min
Calculation factor - e	0.83
Calculation factor - Y	0.72
Calculation factor - $Y_0$	0.4
Category	Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.25
Product Group	B04334
bore diameter:	50 mm
operating temperature range:	Maximum of +250 ° F
cup width:	19 mm
dynamic load capacity:	122 kN
assembly type:	Cone & Cup
static load capacity:	120 kN
outside diameter:	110 mm
finish/coating:	Uncoated
cone width:	27 mm
maximum rpm:	6000 RPM
closure type:	Open
series:	313
bearing material:	Steel
flange type:	Non-Flanged Cup
cage material:	Steel