



Bearing No. 33122

a	43.523 mm
d	110 mm
D	180 mm
T	56 mm
B	56 mm
C	43 mm
series:	331
Category	Ball Bearings
Inventory	0.0
Size (mm)	180x110x56
Width (mm)	56
cup width:	43 mm
cone width:	56 mm
maximum rpm:	3400 RPM
Mass bearing	5.52 kg
flange type:	Non-Flanged Cup
closure type:	Open
D ₁	999.99 mm
d ₁	146.88 mm
Product Group	B00152
C ₁	999.99 mm
Limiting speed	3400 r/min
assembly type:	Cone & Cup
bore diameter:	110 mm
cage material:	Steel
Bearing number	33122
finish/coating:	Uncoated
Reference speed	2600 r/min
Dimension series	3EE
Manufacturer Name	SKF

outside diameter:	180 mm
Weight / Kilogram	5.603
d_b min.	123 mm
C_b min.	13 mm
d_a max.	122 mm
Bore Diameter (mm)	180
D_a max.	169.5 mm
D_b min.	174 mm
D_a min.	155 mm
C_a min.	9 mm
r_b max.	2 mm
r_a max.	2.5 mm
Outer Diameter (mm)	110
D_b - min.	174 mm
Calculation factor Y	1.4
$r_{3,4}$ min.	2 mm
$r_{1,2}$ min.	2.5 mm
Calculation factor e	0.43
r_b - max.	2 mm
D_a - max.	170 mm
d_a - max.	121 mm
d_b - min.	120 mm
r_a - max.	2.5 mm
C_b - min.	13 mm
D_a - min.	155 mm
C_a - min.	9 mm
Minimum Buy Quantity	N/A
d_1 ?	146.88 mm
static load capacity:	630 kN
$r_{3,4}$ - min.	2 mm
$r_{1,2}$ - min.	2.5 mm
dynamic load capacity:	369 kN

Calculation factor - Y	1.4
Calculation factor - e	0.43
Basic dynamic load rating C	455 kN
operating temperature range:	Maximum of +250 °F
Basic dynamic load rating - C	369 kN
Fatigue load limit P_u	65.5 kN
Calculation factor Y_0	0.8
Fatigue load limit - P_u	65.5 kN
Calculation factor - Y_0	0.8
Basic static load rating C_0	630 kN
Basic static load rating - C_0	630 kN