



Bearing No. 30307 J2/Q

D	80 mm
d	35 mm
T	22.75 mm
B	21 mm
C	18 mm
a	16 mm
series:	303
Category	Roller Bearings
Inventory	15.0
Size (mm)	80x35x22.75
cup width:	18 mm
Width (mm)	22,75
cone width:	21 mm
flange type:	Non-Flanged Cup
maximum rpm:	9000 RPM
Product Group	B04334
closure type:	Open
d ₁	54.55 mm
bore diameter:	35 mm
assembly type:	Cone & Cup
cage material:	Steel
Limiting speed	9000 r/min
Bearing number	30307 J2/Q
Reference speed	6700 r/min
finish/coating:	Uncoated
Weight / Kilogram	0.529
outside diameter:	80 mm
Manufacturer Name	SKF
Bore Diameter (mm)	80
Outer Diameter (mm)	35

D_b - min.	74 mm
d_a - max.	46 mm
d_b - min.	44.5 mm
D_a - min.	70 mm
D_a - max.	72.5 mm
Minimum Buy Quantity	N/A
C_a - min.	3 mm
C_b - min.	4.5 mm
r_a - max.	2 mm
r_b - max.	1.5 mm
static load capacity:	73.5 kN
$r_{1,2}$ - min.	2 mm
dynamic load capacity:	72.1 kN
Calculation factor - Y	1.9
Calculation factor - e	0.31
$r_{3,4}$ - min.	1.5 mm
operating temperature range:	Maximum of +250 °F
Basic dynamic load rating - C	72.1 kN
Fatigue load limit - P_u	8.3 kN
Calculation factor - Y_0	1.1
Basic static load rating - C_0	73.5 kN