



Bearing No. 32314 J2/Q

B	51 mm
a	36 mm
d	70 mm
D	150 mm
T	54 mm
C	42 mm
series:	323
Size (mm)	150x70x54
cup width:	42 mm
Width (mm)	54
cone width:	51 mm
flange type:	Non-Flanged Cup
maximum rpm:	4500 RPM
closure type:	Open
d ₁	106.15 mm
assembly type:	Cone & Cup
cage material:	Steel
bore diameter:	70 mm
Limiting speed	4500 r/min
Bearing number	32314 J2/Q
Reference speed	3200 r/min
finish/coating:	Uncoated
outside diameter:	150 mm
Bore Diameter (mm)	150
Outer Diameter (mm)	70
C _b - min.	12 mm
r _a - max.	3 mm
d _a - max.	86 mm
d _b - min.	82 mm
D _a - min.	125 mm

r_b - max.	2.5 mm
D_b - min.	140 mm
D_a - max.	138 mm
C_a - min.	6 mm
static load capacity:	380 kN
Calculation factor - Y	1.7
dynamic load capacity:	297 kN
Calculation factor - e	0.35
$r_{3,4}$ - min.	2.5 mm
$r_{1,2}$ - min.	3 mm
operating temperature range:	Maximum of +250 °F
Basic dynamic load rating - C	297 kN
Calculation factor - Y_0	0.9
Fatigue load limit - P_u	45 kN
Basic static load rating - C_0	380 kN