

# 24168B NTN (Oil) Lubrication

## Speed 680 r/min 340x580x243mm

### Spherical roller bearings

rs min	5 mm
Number of lubrication holes	8
b	33 mm
k	20 mm
e	0.42
Y1	1.61
Y2	2.39
Y0	1.57
Radial clearance class	CN
Dynamic load, C	4.600 kN
Static load, C0	8.950 kN
Fatigue limit load, Cu	642 kN
Nref	360 rpm
Nlim	900 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.59 Hz
Characteristic outer ring frequency, BPF0	9.19 Hz
Characteristic inner ring frequency, BRFI	11.81 Hz
da min	360 mm
Da max	560 mm
ra max	4 mm
Bearing number	24168B

Size (mm)	340x580x243
Brand	NTN
Bore Diameter (mm)	340
Outer Diameter (mm)	580
Width (mm)	243
d	340 mm
D	580 mm
B	243 mm
C	243 mm
r min.	5 mm
da min.	362 mm
Da max.	558 mm
ra max.	4 mm
Weight	269 Kg
Basic dynamic load rating (C)	4 600 kN
Basic static load rating (C0)	8 950 kN
(Grease) Lubrication Speed	520 r/min
(Oil) Lubrication Speed	680 r/min
Calculation factor (e)	0.42
Calculation factor (Y0)	1.57
Calculation factor (Y1)	1.61
Category	Bearings
BDI Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	269
Product Group – BDI	B04311