



# BEARING-THAILAND CO.,LTD.

## 24072B NTN Spherical Roller Bearings



Bearing No. 24072B

Size	360x540x180 mm
Bore Diameter	360 mm
Outer Diameter	540 mm
Width	180 mm
d	360 mm
D	540 mm
B	180 mm
C	180 mm
r min.	5 mm
da min.	382 mm
Da max.	518 mm
ra max.	4 mm
Weight	147 Kg
Basic dynamic load rating (C)	3 100 kN
Basic static load rating (C0)	6 600 kN
(Grease) Lubrication Speed	520 r/min
(Oil) Lubrication Speed	680 r/min
Calculation factor (e)	0,33
Calculation factor (Y0)	2,02
Calculation factor (Y1)	2,06
d2	415 mm
D1	476.8 mm
rs min	5 mm
Number of lubrication holes	8
b	27 mm
k	16 mm

24072B Bearing 2D drawings and 3D CAD models



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e	0.33
Y1	2.06
Y2	3.07
Y0	2.02
Radial clearance class	CN
Dynamic load, C	3,100 kN
Static load, C0	6,600 kN
Fatigue limit load, Cu	446 kN
Nref	570 rpm
Nlim	1,100 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	9.96 Hz
Characteristic outer ring frequency, BPF0	12.19 Hz
Characteristic inner ring frequency, BPFI	14.81 Hz
da min	378 mm
Da max	522 mm
ra max	4 mm