



# SNR BEARING CORP.OF AMERICA

150 mm x 225 mm x 75 mm SNR  
24030.EAK30W33C3 Double row spherical roller  
bearings

Bearing No. 24030.EAK30W33C3

|                                       |           |
|---------------------------------------|-----------|
| d                                     | 150 mm    |
| D                                     | 225 mm    |
| B                                     | 75 mm     |
| d2                                    | 162.9 mm  |
| D1                                    | 202.8 mm  |
| rs min                                | 2.1 mm    |
| Number of lubrication holes           | 3         |
| b                                     | 8.9 mm    |
| k                                     | 4 mm      |
| e                                     | 0.3       |
| Y1                                    | 2.25      |
| Y2                                    | 3.34      |
| Y0                                    | 2.2       |
| Radial clearance class                | C3        |
| Mass                                  | 9.87 kg   |
| Dynamic load, C                       | 832 kN    |
| Static load, C0                       | 1,140 kN  |
| Fatigue limit load, Cu                | 77.1 kN   |
| Nref                                  | 1,900 rpm |
| Nlim                                  | 2,700 rpm |
| Min operating temperature,<br>Tmin    | -40 ° C   |
| Max operating temperature,<br>Tmax    | 200 ° C   |
| Characteristic cage<br>frequency, FTF | 0.44 Hz   |

24030.EAK30W33C3 Bearing 2D drawings and 3D CAD  
models



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|   |          |
|---|----------|
| Characteristic rolling element frequency, BSF | 8.55 Hz  |
| Characteristic outer ring frequency, BPF0     | 10.64 Hz |
| Characteristic inner ring frequency, BPFI     | 13.36 Hz |
| da min  | 160.2 mm |
| Da max  | 214.8 mm |
| ra max  | 2 mm     |