



## BEARING INDUSTRIA CUSCINETTI S.P.A.

220 mm x 400 mm x 144 mm SNR  
23244.EMW33 Double row spherical roller  
bearings

Bearing No. 23244.EMW33

|                                       |           |
|---------------------------------------|-----------|
| d                                     | 220 mm    |
| D                                     | 400 mm    |
| B                                     | 144 mm    |
| D1                                    | 348.5 mm  |
| rs min                                | 4 mm      |
| Number of lubrication holes           | 3         |
| b                                     | 20 mm     |
| k                                     | 10 mm     |
| e                                     | 0.34      |
| Y1                                    | 2         |
| Y2                                    | 2.98      |
| Y0                                    | 1.96      |
| Radial clearance class                | CN        |
| Mass                                  | 77.2 kg   |
| Dynamic load, C                       | 2,890 kN  |
| Static load, C0                       | 3,830 kN  |
| Fatigue limit load, Cu                | 211 kN    |
| Nref                                  | 850 rpm   |
| Nlim                                  | 1,500 rpm |
| Min operating temperature,<br>Tmin    | -40 ° C   |
| Max operating temperature,<br>Tmax    | 200 ° C   |
| Characteristic cage<br>frequency, FTF | 0.43 Hz   |
| Characteristic rolling                | 6.41 Hz   |

23244.EMW33 Bearing 2D drawings and 3D CAD  
models



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|   |          |
|---|----------|
| element frequency, BSF                    |          |
| Characteristic outer ring frequency, BPF0 | 8.08 Hz  |
| Characteristic inner ring frequency, BRFI | 10.92 Hz |
| da min                                    | 237 mm   |
| Da max                                    | 383 mm   |
| ra max                                    | 3 mm     |