

# 22220.EMW33C3



**22220.EMW33C3 Bearing dimensions and specification in NTN catalogue:**

|   |         |
|---|---------|
| B | 46 mm   |
| D | 180 mm  |
| b | 11.2 mm |
| d | 100 mm  |

|    |          |
|----|----------|
| e  | 0.24     |
| k  | 5 mm     |
| D1 | 160.8 mm |
| Y0 | 2.78     |
| Y1 | 2.84     |
| Y2 | 4.23     |

## SNR 22220.EMW33C3 Double Row Spherical Roller Bearings Bearing Data Sheet:

|   |           |
|---|-----------|
| Mass  | 5.08 kg   |
| Nlim  | 4,600 rpm |
| Nref  | 3,600 rpm |
| Brand   | SNR       |
| Da max  | 168 mm    |
| da min  | 112 mm    |
| ra max  | 2 mm      |
| rs min  | 2.1 mm    |
| Dynamic load, C                               | 472 kN    |
| Static load, C0                               | 495 kN    |
| Fatigue limit load, Cu                        | 52.6 kN   |
| Radial clearance class                        | C3        |
| Number of lubrication holes                   | 3         |
| Max operating temperature, Tmax               | 200 °C    |
| Min operating temperature, Tmin               | -40 °C    |
| Characteristic cage frequency, FTF            | 0.42 Hz   |
| Characteristic inner ring frequency, BPF1     | 10.39 Hz  |
| Characteristic outer ring frequency, BPF0     | 7.61 Hz   |
| Characteristic rolling element frequency, BSF | 6.23 Hz   |