



## NTN-SNR BEARING RULMENTI S.R.L.

20 mm x 47 mm x 14 mm SNR 7204.BA Single row or matched pairs of angular contact ball bearings

Bearing No. 7204.BA

|                                               |            |
|-----------------------------------------------|------------|
| d                                             | 20 mm      |
| D                                             | 47 mm      |
| B                                             | 14 mm      |
| d1                                            | 30.4 mm    |
| d2                                            | 23.8 mm    |
| D1                                            | 36.6 mm    |
| D2                                            | 42.4 mm    |
| a                                             | 21 mm      |
| Contact angle                                 | 40 °       |
| rs min                                        | 1 mm       |
| r1s min                                       | 0.6 mm     |
| Mass                                          | 0.11 kg    |
| Dynamic load, C                               | 12.6 kN    |
| Static load, C0                               | 7.7 kN     |
| Fatigue limit load, Cu                        | 0.35 kN    |
| Nref                                          | 16,000 rpm |
| Nlim                                          | 18,000 rpm |
| Min operating temperature, Tmin               | -20 ° C    |
| Max operating temperature, Tmax               | 120 ° C    |
| Characteristic cage frequency, FTF            | 0.41 Hz    |
| Characteristic rolling element frequency, BSF | 4.08 Hz    |
| Characteristic outer ring                     | 4.5 Hz     |

7204.BA Bearing 2D drawings and 3D CAD models



## NTN-SNR BEARING RULMENTI S.R.L.

|                                           |         |
|-------------------------------------------|---------|
| frequency, BPF0                           |         |
| Characteristic inner ring frequency, BPF1 | 6.5 Hz  |
| da min                                    | 25.5 mm |
| db min                                    | 25.5 mm |
| Da max                                    | 41.5 mm |
| Db max                                    | 42.5 mm |
| r1a max                                   | 0.6 mm  |
| ra max                                    | 1 mm    |