

# NKE NJ2244-E-M6+HJ2244-E cylindrical roller bearings

NKE NJ2244-E-M6+HJ2244-E cylindrical roller bearings manufacturer and global supplier of reliable 13 mm B ball and roller ... NKE NJ2244-E-M6+HJ2244-E cylindrical roller bearings Industries Products 55 mm d Manufacturing & Engineering and Agricultural Bearings designed to meet the unique requirements of our targeted industries.

|                             |            |
|-----------------------------|------------|
| d                           | 55 mm      |
| D                           | 80 mm      |
| B                           | 13 mm      |
| d1                          | 63.1 mm    |
| d2                          | 61.15 mm   |
| D1                          | 73.71 mm   |
| D2                          | 75.31 mm   |
| a                           | 22 mm      |
| Contact angle $\alpha$      | 25 °       |
| rs min                      | 1 mm       |
| r1s min                     | 0.3 mm     |
| f0                          | 8.62       |
| Precision class             | P4S        |
| Mass                        | 0.18 kg    |
| Dynamic load, C             | 9.5 kN     |
| Static load, C0             | 7.2 kN     |
| Fatigue limit load, Cu      | 0.41 kN    |
| Nlim (oil)                  | 29,000 rpm |
| Nlim (grease)               | 20,000 rpm |
| Axial displacement K Factor | 0.58       |

|                                                       |          |
|-------------------------------------------------------|----------|
| Preload level                                         | 8        |
| Preload value                                         | 0.24 kN  |
| Axial rigidity                                        | 153 N/μm |
| Radial rigidity                                       | 331 N/μm |
| Min operating temperature, T <sub>min</sub>           | -30 °C   |
| Max operating temperature, T <sub>max</sub>           | 120 °C   |
| Characteristic cage frequency, FTF                    | 0.46 Hz  |
| Characteristic rolling element frequency, BSF         | 11.94 Hz |
| Characteristic outer ring frequency, BPF <sub>0</sub> | 13.87 Hz |
| Characteristic inner ring frequency, BPF <sub>I</sub> | 16.13 Hz |
| d <sub>a min</sub>                                    | 60.5 mm  |
| d <sub>b min</sub>                                    | 60.5 mm  |
| D <sub>a max</sub>                                    | 74.5 mm  |
| D <sub>b max</sub>                                    | 74.5 mm  |
| r <sub>1a max</sub>                                   | 0.3 mm   |
| r <sub>a max</sub>                                    | 1 mm     |
| D <sub>6</sub>                                        | 65 mm    |