

# 22209-E1 FAG 45x85x23mm Cur 12700 N / Fatigue limit load. radial Spherical roller bearings

|                     |   |
|---------------------|---|
| Bearing number      | 22209-E1                                |
| Size (mm)           | 45x85x23                                |
| Brand               | FAG                                     |
| Bore Diameter (mm)  | 45                                      |
| Outer Diameter (mm) | 85                                      |
| Width (mm)          | 23                                      |
| d                   | 45 mm                                   |
| D                   | 85 mm                                   |
| B                   | 23 mm                                   |
| D <sub>1</sub>      | 75.6 mm                                 |
| D <sub>a max</sub>  | 78 mm                                   |
| d <sub>2</sub>      | 55 mm                                   |
| d <sub>a min</sub>  | 52 mm                                   |
| d <sub>s</sub>      | 3.2 mm                                  |
| n <sub>s</sub>      | 4.8 mm                                  |
| r <sub>a max</sub>  | 1 mm                                    |
| r <sub>min</sub>    | 1.1 mm                                  |
| m                   | 0.589 kg / Weight                       |
| C <sub>r</sub>      | 104000 N / Dynamic load rating (radial) |
| e                   | 0.25                                    |
| Y <sub>1</sub>      | 2.74                                    |

|          |                                       |
|----------|---------------------------------------|
| $Y_2$    | 4.08                                  |
| $C_{0r}$ | 99000 N / Static load rating (radial) |
| $Y_0$    | 2.68                                  |
| $n_G$    | 10100 1/min / Limiting speed          |
| $n_B$    | 5800 1/min                            |
| $C_{ur}$ | 12700 N / Fatigue limit load. radial  |