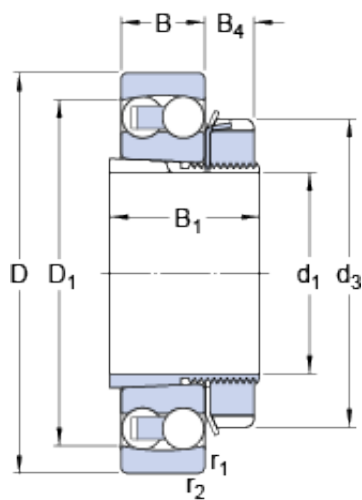




Bearing No. 2219 K + H 319

|                       |                |
|-----------------------|----------------|
| D                     | 170 mm         |
| d                     | 85 mm          |
| B                     | 43 mm          |
| Size (mm)             | 170x85x68      |
| Width (mm)            | 68             |
| d <sub>3</sub>        | 125 mm         |
| B <sub>1</sub>        | 68 mm          |
| d <sub>1</sub>        | 85 mm          |
| B <sub>1</sub>        | 68 mm          |
| d <sub>3</sub>        | 125 mm         |
| D <sub>1</sub>        | 148.7 mm       |
| B <sub>4</sub>        | 19 mm          |
| B <sub>4</sub>        | 19 mm          |
| Limiting speed        | 5000 r/min     |
| Bearing number        | 2219 K + H 319 |
| Reference speed       | 7000 r/min     |
| r <sub>a</sub> max.   | 2 mm           |
| B <sub>a</sub> min.   | 10 mm          |
| D <sub>a</sub> max.   | 158 mm         |
| d <sub>b</sub> min.   | 102 mm         |
| d <sub>a</sub> max.   | 118 mm         |
| Bore Diameter (mm)    | 170            |
| Outer Diameter (mm)   | 85             |
| B <sub>a</sub> - min. | 10 mm          |
| r <sub>a</sub> - max. | 2 mm           |
| d <sub>b</sub> - min. | 102 mm         |
| d <sub>a</sub> - max. | 118 mm         |
| r <sub>1,2</sub> min. | 2.1 mm         |
| Calculation factor e  | 0.27           |
|                       |                |

|                                    |          |
|------------------------------------|----------|
| $D_a$ - max.                       | 158 mm   |
| $D_1$ ?                            | 148.7 mm |
| Calculation factor - e             | 0.27     |
| $r_{1,2}$ - min.                   | 2.1 mm   |
| Fatigue load limit - $P_u$         | 1.5 kN   |
| Basic dynamic load rating C        | 83.2 kN  |
| Mass bearing + adapter sleeve      | 5.3 kg   |
| Basic dynamic load rating - C      | 83.2 kN  |
| Calculation factor $k_r$           | 0.04     |
| Calculation factor $Y_2$           | 3.6      |
| Calculation factor $Y_1$           | 2.3      |
| Calculation factor $Y_0$           | 2.5      |
| Fatigue load limit $P_u$           | 1.53 kN  |
| Calculation factor - $Y_2$         | 3.6      |
| Calculation factor - $Y_1$         | 2.3      |
| Calculation factor - $k_r$         | 0.04     |
| Calculation factor - $Y_0$         | 2.5      |
| Permissible angular misalignment ? | 2.5 °    |
| Basic static load rating $C_0$     | 34.5 kN  |
| Basic static load rating - $C_0$   | 34.5 kN  |