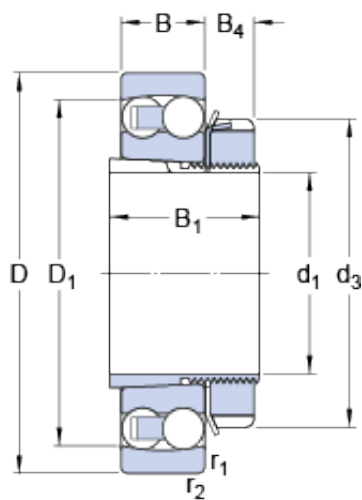




Bearing No. 2307 EKTN9 + H 2307

|                       |                     |
|-----------------------|---------------------|
| D                     | 80 mm               |
| d                     | 30 mm               |
| B                     | 31 mm               |
| Size (mm)             | 80x30x43            |
| Width (mm)            | 43                  |
| d <sub>3</sub>        | 52 mm               |
| B <sub>1</sub>        | 43 mm               |
| d <sub>1</sub>        | 30 mm               |
| B <sub>1</sub>        | 43 mm               |
| d <sub>3</sub>        | 52 mm               |
| D <sub>1</sub>        | 67 mm               |
| B <sub>4</sub>        | 9 mm                |
| B <sub>4</sub>        | 9 mm                |
| Limiting speed        | 12000 r/min         |
| Bearing number        | 2307 EKTN9 + H 2307 |
| Reference speed       | 16000 r/min         |
| r <sub>a</sub> max.   | 1.5 mm              |
| B <sub>a</sub> min.   | 5 mm                |
| D <sub>a</sub> max.   | 71 mm               |
| d <sub>b</sub> min.   | 40 mm               |
| d <sub>a</sub> max.   | 46 mm               |
| Bore Diameter (mm)    | 80                  |
| Outer Diameter (mm)   | 30                  |
| B <sub>a</sub> - min. | 5 mm                |
| r <sub>a</sub> - max. | 1.5 mm              |
| d <sub>b</sub> - min. | 40 mm               |
| d <sub>a</sub> - max. | 46 mm               |
| r <sub>1,2</sub> min. | 1.5 mm              |
| Calculation factor e  | 0.46                |
|                       |                     |

|                                           |         |
|-------------------------------------------|---------|
| D <sub>a</sub> - max.                     | 71 mm   |
| D <sub>1</sub> ?                          | 67 mm   |
| Calculation factor - e                    | 0.46    |
| r <sub>1,2</sub> - min.                   | 1.5 mm  |
| Fatigue load limit - P <sub>u</sub>       | 0.59 kN |
| Basic dynamic load rating C               | 39.7 kN |
| Mass bearing + adapter sleeve             | 0.84 kg |
| Basic dynamic load rating - C             | 39.7 kN |
| Calculation factor k <sub>r</sub>         | 0.05    |
| Calculation factor Y <sub>2</sub>         | 2.1     |
| Calculation factor Y <sub>1</sub>         | 1.35    |
| Calculation factor Y <sub>0</sub>         | 1.4     |
| Fatigue load limit P <sub>u</sub>         | 0.59 kN |
| Calculation factor - Y <sub>2</sub>       | 2.1     |
| Calculation factor - Y <sub>1</sub>       | 1.35    |
| Calculation factor - k <sub>r</sub>       | 0.05    |
| Calculation factor - Y <sub>0</sub>       | 1.4     |
| Permissible angular misalignment ?        | 3 °     |
| Basic static load rating C <sub>0</sub>   | 11.2 kN |
| Basic static load rating - C <sub>0</sub> | 11.2 kN |