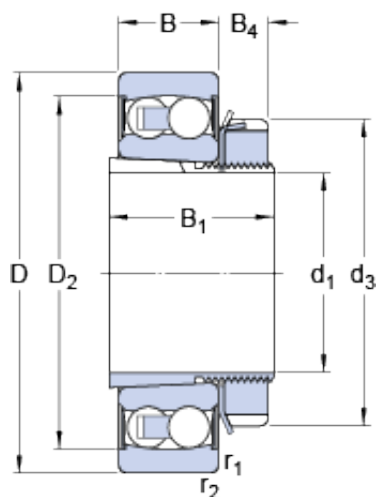




Bearing No. 2305 E-2RS1KTN9 + H 2305

|                       |                          |
|-----------------------|--------------------------|
| D                     | 62 mm                    |
| d                     | 20 mm                    |
| B                     | 24 mm                    |
| Size (mm)             | 62x20x35                 |
| Width (mm)            | 35                       |
| D <sub>2</sub>        | 52.7 mm                  |
| B <sub>4</sub>        | 8 mm                     |
| d <sub>3</sub>        | 38 mm                    |
| d <sub>1</sub>        | 20 mm                    |
| B <sub>1</sub>        | 35 mm                    |
| d <sub>3</sub>        | 38 mm                    |
| B <sub>4</sub>        | 8 mm                     |
| B <sub>1</sub>        | 35 mm                    |
| Bearing number        | 2305 E-2RS1KTN9 + H 2305 |
| Limiting speed        | 7500 r/min               |
| D <sub>a</sub> max.   | 55 mm                    |
| B <sub>a</sub> min.   | 5 mm                     |
| r <sub>a</sub> max.   | 1.1 mm                   |
| d <sub>a</sub> max.   | 32.5 mm                  |
| Bore Diameter (mm)    | 62                       |
| d <sub>b</sub> min.   | 29 mm                    |
| Outer Diameter (mm)   | 20                       |
| Calculation factor e  | 0.28                     |
| B <sub>a</sub> - min. | 5 mm                     |
| D <sub>a</sub> - max. | 55 mm                    |
| d <sub>b</sub> - min. | 29 mm                    |
| d <sub>a</sub> - max. | 32.5 mm                  |
| r <sub>1,2</sub> min. | 1.1 mm                   |
|                       | 1.1 mm                   |

|                       |  |
|-----------------------|--|
| r <sup>a</sup> - max. |  |
|-----------------------|--|

|                                    |         |
|------------------------------------|---------|
| $D_2$ ?                            | 52.7 mm |
| Calculation factor - e             | 0.28    |
| $r_{1,2}$ - min.                   | 1.1 mm  |
| Fatigue load limit - $P_u$         | 0.28 kN |
| Basic dynamic load rating C        | 19 kN   |
| Mass bearing + adapter sleeve      | 0.42 kg |
| Basic dynamic load rating - C      | 19 kN   |
| Fatigue load limit $P_u$           | 0.28 kN |
| Calculation factor $k_r$           | 0.05    |
| Calculation factor $Y_0$           | 2.5     |
| Calculation factor $Y_1$           | 2.2     |
| Calculation factor $Y_2$           | 3.5     |
| Calculation factor - $Y_2$         | 3.5     |
| Calculation factor - $Y_1$         | 2.2     |
| Calculation factor - $k_r$         | 0.05    |
| Calculation factor - $Y_0$         | 2.5     |
| Permissible angular misalignment ? | 1.5 °   |
| Basic static load rating $C_0$     | 5.4 kN  |
| Basic static load rating - $C_0$   | 5.4 kN  |