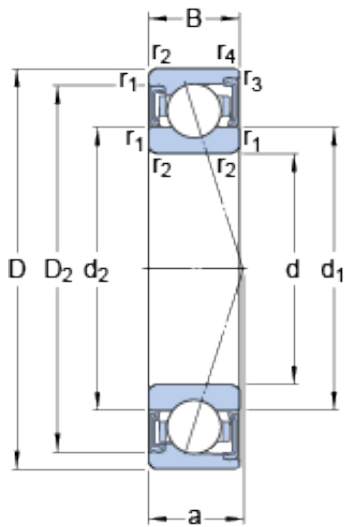




Bearing No. S7002 CD/P4A

|                     |              |
|---------------------|--------------|
| D                   | 32 mm        |
| d                   | 15 mm        |
| B                   | 9 mm         |
| a                   | 7.7 mm       |
| Ball - z            | 12           |
| Size (mm)           | 32x15x9      |
| Width (mm)          | 9            |
| Mass bearing        | 0.03 kg      |
| D <sub>2</sub>      | 29.2 mm      |
| d <sub>2</sub>      | 20.6 mm      |
| d <sub>1</sub>      | 20.6 mm      |
| d <sub>2</sub>      | 20.6 mm      |
| D <sub>2</sub>      | 29.2 mm      |
| d <sub>1</sub>      | 20.6 mm      |
| Bearing number      | S7002 CD/P4A |
| Preload class A     | 17 N/micron  |
| Preload class B     | 23 N/micron  |
| Preload class D     | 44 N/micron  |
| Preload class C     | 31 N/micron  |
| Number of balls z   | 12           |
| r <sub>b</sub> max. | 0.2 mm       |
| r <sub>a</sub> max. | 0.3 mm       |
| D <sub>b</sub> max. | 30.6 mm      |
| D <sub>a</sub> max. | 30 mm        |
| d <sub>b</sub> max. | 20.2 mm      |
| d <sub>a</sub> max. | 20.2 mm      |
| d <sub>a</sub> min. | 17 mm        |
| Bore Diameter (mm)  | 32           |
| d <sub>b</sub> min. | 17 mm        |
| Outer Diameter (mm) | 15           |

|                               |          |
|-------------------------------|----------|
| $r_{3,4}$ min.                | 0.2 mm   |
| $d_b$ - min.                  | 17 mm    |
| Calculation factor $f$        | 1.03     |
| $d_a$ - max.                  | 20.2 mm  |
| $r_{1,2}$ min.                | 0.3 mm   |
| $d_a$ - min.                  | 17 mm    |
| $d_b$ - max.                  | 20.2 mm  |
| $D_a$ - max.                  | 30 mm    |
| $D_b$ - max.                  | 30.6 mm  |
| $r_a$ - max.                  | 0.3 mm   |
| $r_b$ - max.                  | 0.2 mm   |
| Ball - $D_w$                  | 4.762 mm |
| $r_{3,4}$ - min.              | 0.2 mm   |
| Calculation factor - $f$      | 1.03     |
| $r_{1,2}$ - min.              | 0.3 mm   |
| Ball diameter $D_w$           | 4.762 mm |
| Basic dynamic load rating C   | 5.2 kN   |
| Preload class A $G_A$         | 20 N     |
| Basic dynamic load rating - C | 5.2 kN   |
| Preload class C $G_C$         | 80 N     |
| Preload class D $G_D$         | 160 N    |
| Preload class B $G_B$         | 40 N     |
| Preload class C - $G_C$       | 80 N     |
| Preload class D - $G_D$       | 160 N    |
| Preload class B - $G_B$       | 40 N     |
| Preload class A - $G_A$       | 20 N     |
| Calculation factor $f_1$      | 1        |
| Fatigue load limit $P_u$      | 0.104 kN |
| Calculation factor $f_0$      | 9.3      |
| Calculation factor $f_{2D}$   | 1.09     |

|                                         |               |
|-----------------------------------------|---------------|
| Calculation factor $f_{HC}$             | 1             |
| Calculation factor $f_{2C}$             | 1.05          |
| Calculation factor $f_{2B}$             | 1.02          |
| Calculation factor $f_{2A}$             | 1             |
| Calculation factor - $f$                | 1             |
| Calculation factor - $f_0$              | 9.3           |
| Fatigue load limit - $P_u$              | 0.104 kN      |
| Calculation factor - $f_{2C}$           | 1.05          |
| Calculation factor - $f_{2D}$           | 1.09          |
| Calculation factor - $f_{2B}$           | 1.02          |
| Calculation factor - $f_{2A}$           | 1             |
| Calculation factor - $f_{HC}$           | 1             |
| Limiting speed for grease lubrication   | 56000 r/min   |
| Basic static load rating $C_0$          | 2.45 kN       |
| Static axial stiffness, preload class A | 17 N/ $\mu$ m |
| Static axial stiffness, preload class B | 23 N/ $\mu$ m |
| Static axial stiffness, preload class C | 31 N/ $\mu$ m |
| Static axial stiffness, preload class D | 44 N/ $\mu$ m |
| Attainable speed for grease lubrication | 56000 r/min   |
| Basic static load rating - $C_0$        | 2.4 kN        |