



Bearing No. S7206 ACD/P4A

|                     |               |
|---------------------|---------------|
| D                   | 62 mm         |
| d                   | 30 mm         |
| B                   | 16 mm         |
| a                   | 18.8 mm       |
| Ball - z            | 13            |
| Size (mm)           | 62x30x16      |
| Width (mm)          | 16            |
| Mass bearing        | 0.2 kg        |
| D <sub>2</sub>      | 54 mm         |
| d <sub>2</sub>      | 40.2 mm       |
| d <sub>1</sub>      | 40.2 mm       |
| d <sub>2</sub>      | 40.2 mm       |
| D <sub>2</sub>      | 54 mm         |
| d <sub>1</sub>      | 40.2 mm       |
| Bearing number      | S7206 ACD/P4A |
| Preload class B     | 137 N/micron  |
| Preload class A     | 105 N/micron  |
| Preload class D     | 244 N/micron  |
| Preload class C     | 181 N/micron  |
| Number of balls z   | 13            |
| r <sub>b</sub> max. | 0.3 mm        |
| r <sub>a</sub> max. | 1 mm          |
| D <sub>b</sub> max. | 59.6 mm       |
| D <sub>a</sub> max. | 56.4 mm       |
| d <sub>b</sub> max. | 39.6 mm       |
| d <sub>b</sub> min. | 35.6 mm       |
| d <sub>a</sub> max. | 39.6 mm       |
| Bore Diameter (mm)  | 62            |
| d <sub>a</sub> min. | 35.6 mm       |
| Outer Diameter (mm) | 30            |

|                               |          |
|-------------------------------|----------|
| $d_a$ - max.                  | 39.6 mm  |
| $d_a$ - min.                  | 35.6 mm  |
| Calculation factor e          | 0.68     |
| Calculation factor f          | 1.05     |
| $d_b$ - max.                  | 39.6 mm  |
| $D_b$ - max.                  | 59.6 mm  |
| $r_a$ - max.                  | 1 mm     |
| $r_b$ - max.                  | 0.3 mm   |
| $d_b$ - min.                  | 35.6 mm  |
| $r_{3,4}$ min.                | 0.3 mm   |
| $r_{1,2}$ min.                | 1 mm     |
| Ball - $D_w$                  | 9.525 mm |
| $D_a$ - max.                  | 56.4 mm  |
| $r_{3,4}$ - min.              | 0.3 mm   |
| $r_{1,2}$ - min.              | 1 mm     |
| Calculation factor - f        | 1.05     |
| Calculation factor - e        | 0.68     |
| Ball diameter $D_w$           | 9.525 mm |
| Basic dynamic load rating C   | 23.4 kN  |
| Preload class A $G_A$         | 150 N    |
| Basic dynamic load rating - C | 23.4 kN  |
| Preload class B $G_B$         | 300 N    |
| Preload class C $G_C$         | 600 N    |
| Preload class D $G_D$         | 1200 N   |
| Preload class B - $G_B$       | 300 N    |
| Preload class C - $G_C$       | 600 N    |
| Preload class A - $G_A$       | 150 N    |
| Preload class D - $G_D$       | 1200 N   |
| Calculation factor $f_1$      | 0.99     |
| Fatigue load limit $P_u$      | 0.64 kN  |

|   |                |
|---|----------------|
| Calculation factor $f_{2A}$             | 1              |
| Calculation factor $f_{2B}$             | 1.01           |
| Calculation factor $f_{2C}$             | 1.02           |
| Calculation factor $f_{2D}$             | 1.05           |
| Calculation factor $f_{HC}$             | 1              |
| Calculation factor - $X_2$              | 0.67           |
| Calculation factor - $Y_1$              | 0.92           |
| Calculation factor - $Y_2$              | 1.41           |
| Fatigue load limit - $P_u$              | 0.64 kN        |
| Calculation factor - $Y_0$              | 0.76           |
| Calculation factor - $f_1$              | 0.99           |
| Calculation factor - $f_{HC}$           | 1              |
| Calculation factor - $f_{2D}$           | 1.05           |
| Calculation factor - $f_{2C}$           | 1.02           |
| Calculation factor - $f_{2B}$           | 1.01           |
| Calculation factor - $f_{2A}$           | 1              |
| Limiting speed for grease lubrication   | 20000 r/min    |
| Basic static load rating $C_0$          | 15.3 kN        |
| Static axial stiffness, preload class D | 244 N/ $\mu$ m |
| Attainable speed for grease lubrication | 20000 r/min    |
| Static axial stiffness, preload class C | 181 N/ $\mu$ m |
| Static axial stiffness, preload class B | 137 N/ $\mu$ m |
| Static axial stiffness, preload class A | 105 N/ $\mu$ m |
| Basic static load rating - $C_0$        | 15.3 kN        |
|   |                |

|   |      |
|---|------|
| Calculation factor<br>(single, tandem) $Y_2$              | 0.87 |
| Calculation factor<br>(single, tandem) $Y_0$              | 0.38 |
| Calculation factor<br>(single, tandem) $X_2$              | 0.41 |
| Calculation factor (back-<br>to-back, face-to-face) $Y_1$ | 0.92 |
| Calculation factor (back-<br>to-back, face-to-face) $Y_2$ | 1.41 |
| Calculation factor (back-<br>to-back, face-to-face) $Y_0$ | 0.76 |
| Calculation factor (back-<br>to-back, face-to-face) $X_2$ | 0.67 |