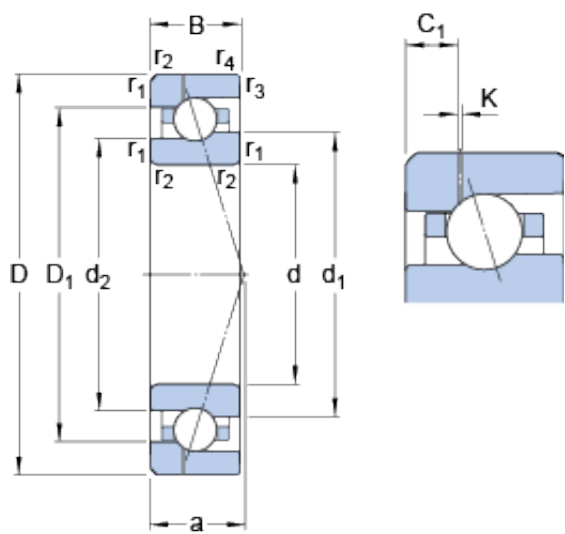




Bearing No. 7006 CE/P4AH1

|                   |               |
|-------------------|---------------|
| K                 | 0.5 mm        |
| a                 | 12.2 mm       |
| d                 | 30 mm         |
| D                 | 55 mm         |
| B                 | 13 mm         |
| Ball - z          | 17            |
| Size (mm)         | 55x30x13      |
| Width (mm)        | 13            |
| Mass bearing      | 0.11 kg       |
| $d_n$             | 39.9 mm       |
| $D_1$             | 45.81 mm      |
| $d_1$             | 38.2 mm       |
| $C_1$             | 4.23 mm       |
| $D_1$             | 45.81 mm      |
| $d_2$             | 36.4 mm       |
| $C_1$             | 4.23 mm       |
| $d_1$             | 38.2 mm       |
| $d_n$             | 39.9 mm       |
| $d_2$             | 36.4 mm       |
| Bearing number    | 7006 CE/P4AH1 |
| Preload class B   | 44 N/micron   |
| Preload class C   | 60 N/micron   |
| $G_{ref}$         | 1.7 cm3       |
| Preload class A   | 28 N/micron   |
| Number of balls z | 17            |
| $D_a$ max.        | 50.4 mm       |
| $d_a$ min.        | 34.6 mm       |
| $d_b$ min.        | 34.6 mm       |
| $D_b$ max.        | 50.8 mm       |
|                   |               |

|                               |         |
|-------------------------------|---------|
| $r_a$ max.                    | 1 mm    |
| $r_b$ max.                    | 0.6 mm  |
| Bore Diameter (mm)            | 55      |
| Outer Diameter (mm)           | 30      |
| $r_b$ - max.                  | 0.6 mm  |
| $r_{1,2}$ min.                | 1 mm    |
| $d_a$ - min.                  | 34.6 mm |
| Calculation factor f          | 1.05    |
| $r_a$ - max.                  | 1 mm    |
| $r_{3,4}$ min.                | 0.6 mm  |
| $d_b$ - min.                  | 34.6 mm |
| Ball - $D_w$                  | 6.35 mm |
| $D_a$ - max.                  | 50.4 mm |
| $D_b$ - max.                  | 50.8 mm |
| Calculation factor - f        | 1.05    |
| $r_{3,4}$ - min.              | 0.6 mm  |
| $r_{1,2}$ - min.              | 1 mm    |
| Basic dynamic load rating C   | 9.36 kN |
| Ball diameter $D_w$           | 6.35 mm |
| Preload class C $G_C$         | 300 N   |
| Preload class B $G_B$         | 150 N   |
| Preload class A $G_A$         | 50 N    |
| Basic dynamic load rating - C | 9.4 kN  |
| Preload class C - $G_C$       | 300 N   |
| Preload class A - $G_A$       | 50 N    |
| Preload class B - $G_B$       | 150 N   |
| Calculation factor $f_1$      | 1       |
| Calculation factor $f_0$      | 7.9     |
| Fatigue load limit $P_u$      | 0.22 kN |
| Calculation factor - f        | 1       |

|                                          |                     |
|------------------------------------------|---------------------|
| Calculation factor $f_{HC}$              | 1                   |
| Calculation factor $f_{2C}$              | 1.05                |
| Calculation factor $f_{2B}$              | 1.03                |
| Calculation factor $f_{2A}$              | 1                   |
| Fatigue load limit - $P_u$               | 0.22 kN             |
| Limiting speed for oil lubrication       | 60000 mm/min        |
| Calculation factor - $f_0$               | 7.9                 |
| Calculation factor - $f_{2C}$            | 1.05                |
| Calculation factor - $f_{2B}$            | 1.03                |
| Calculation factor - $f_{HC}$            | 1                   |
| Calculation factor - $f_{2A}$            | 1                   |
| Limiting speed for grease lubrication    | 39000 r/min         |
| Basic static load rating $C_0$           | 5.2 kN              |
| Static axial stiffness, preload class C  | 60 N/ $\mu$ m       |
| Static axial stiffness, preload class A  | 28 N/ $\mu$ m       |
| Attainable speed for grease lubrication  | 39000 r/min         |
| Static axial stiffness, preload class B  | 44 N/ $\mu$ m       |
| Basic static load rating - $C_0$         | 5.2 kN              |
| Attainable speed for oil-air lubrication | 60000 r/min         |
| Reference grease quantity $G_{ref}$      | 1.7 cm <sup>3</sup> |