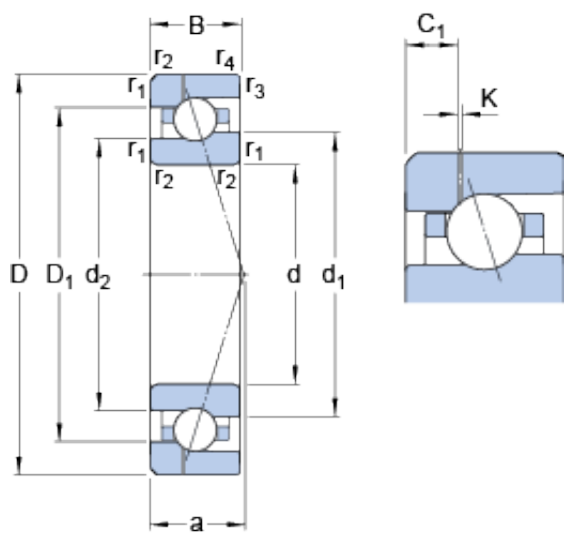




Bearing No. 7016 CE/P4AH1

|                   |               |
|-------------------|---------------|
| K                 | 0.5 mm        |
| a                 | 24.9 mm       |
| d                 | 80 mm         |
| D                 | 125 mm        |
| B                 | 22 mm         |
| Ball - z          | 25            |
| Size (mm)         | 125x80x22     |
| Width (mm)        | 22            |
| Mass bearing      | 0.86 kg       |
| $d_n$             | 98.5 mm       |
| $D_1$             | 109.17 mm     |
| $d_1$             | 95.83 mm      |
| $C_1$             | 7.27 mm       |
| $D_1$             | 109.17 mm     |
| $d_2$             | 93 mm         |
| $C_1$             | 7.27 mm       |
| $d_1$             | 95.83 mm      |
| $d_n$             | 98.5 mm       |
| $d_2$             | 93 mm         |
| Bearing number    | 7016 CE/P4AH1 |
| Preload class B   | 114 N/micron  |
| Preload class C   | 157 N/micron  |
| $G_{ref}$         | 12 cm3        |
| Preload class A   | 72 N/micron   |
| Number of balls z | 25            |
| $D_a$ max.        | 119 mm        |
| $d_a$ min.        | 86 mm         |
| $d_b$ min.        | 86 mm         |
| $D_b$ max.        | 120.8 mm      |
|                   |               |

|                               |           |
|-------------------------------|-----------|
| $r_a$ max.                    | 1 mm      |
| $r_b$ max.                    | 0.6 mm    |
| Bore Diameter (mm)            | 125       |
| Outer Diameter (mm)           | 80        |
| $r_b$ - max.                  | 0.6 mm    |
| $r_{1,2}$ min.                | 1.1 mm    |
| $d_a$ - min.                  | 86 mm     |
| Calculation factor f          | 1.1       |
| $r_a$ - max.                  | 1 mm      |
| $r_{3,4}$ min.                | 0.6 mm    |
| $d_b$ - min.                  | 86 mm     |
| Ball - $D_w$                  | 11.112 mm |
| $D_a$ - max.                  | 119 mm    |
| $D_b$ - max.                  | 120.8 mm  |
| Calculation factor - f        | 1.1       |
| $r_{3,4}$ - min.              | 0.6 mm    |
| $r_{1,2}$ - min.              | 1.1 mm    |
| Basic dynamic load rating C   | 33.8 kN   |
| Ball diameter $D_w$           | 11.112 mm |
| Preload class C $G_C$         | 1090 N    |
| Preload class B $G_B$         | 550 N     |
| Preload class A $G_A$         | 180 N     |
| Basic dynamic load rating - C | 33.8 kN   |
| Preload class C - $G_C$       | 1090 N    |
| Preload class A - $G_A$       | 180 N     |
| Preload class B - $G_B$       | 550 N     |
| Calculation factor $f_1$      | 1         |
| Calculation factor $f_0$      | 9.4       |
| Fatigue load limit $P_u$      | 1.18 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 - $P_u$               | 1.2 kN             |
| Limiting speed for oil lubrication       | 24000 mm/min       |
| Calculation factor - $f_0$               | 9.4                |
| 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    | 15000 r/min        |
| Basic static load rating $C_0$           | 28 kN              |
| Static axial stiffness, preload class C  | 157 N/ $\mu$ m     |
| Static axial stiffness, preload class A  | 72 N/ $\mu$ m      |
| Attainable speed for grease lubrication  | 15000 r/min        |
| Static axial stiffness, preload class B  | 114 N/ $\mu$ m     |
| Basic static load rating - $C_0$         | 28 kN              |
| Attainable speed for oil-air lubrication | 24000 r/min        |
| Reference grease quantity $G_{ref}$      | 12 cm <sup>3</sup> |