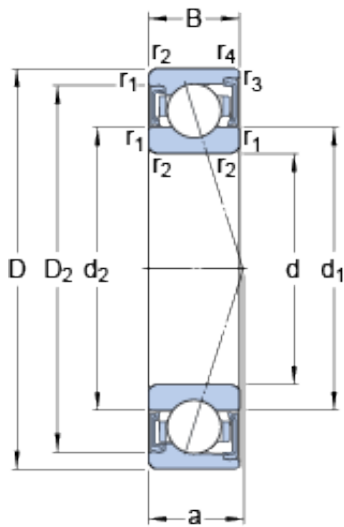




Bearing No. S7216 CD/P4A

|                     |              |
|---------------------|--------------|
| D                   | 140 mm       |
| d                   | 80 mm        |
| B                   | 26 mm        |
| a                   | 27.8 mm      |
| Ball - z            | 17           |
| Size (mm)           | 140x80x26    |
| Width (mm)          | 26           |
| Mass bearing        | 1.51 kg      |
| D <sub>2</sub>      | 124.3 mm     |
| d <sub>2</sub>      | 99.5 mm      |
| d <sub>1</sub>      | 99.5 mm      |
| d <sub>2</sub>      | 99.5 mm      |
| D <sub>2</sub>      | 124.3 mm     |
| d <sub>1</sub>      | 99.5 mm      |
| Bearing number      | S7216 CD/P4A |
| Preload class A     | 96 N/micron  |
| Preload class B     | 130 N/micron |
| Preload class D     | 260 N/micron |
| Preload class C     | 181 N/micron |
| Number of balls z   | 17           |
| r <sub>b</sub> max. | 1 mm         |
| r <sub>a</sub> max. | 2 mm         |
| D <sub>b</sub> max. | 134.4 mm     |
| D <sub>a</sub> max. | 129 mm       |
| d <sub>b</sub> max. | 98.5 mm      |
| d <sub>a</sub> max. | 98.5 mm      |
| d <sub>a</sub> min. | 91 mm        |
| Bore Diameter (mm)  | 140          |
| d <sub>b</sub> min. | 91 mm        |
| Outer Diameter (mm) | 80           |

|                               |           |
|-------------------------------|-----------|
| $r_{3,4}$ min.                | 1 mm      |
| $d_b$ - min.                  | 91 mm     |
| Calculation factor $f$        | 1.09      |
| $d_a$ - max.                  | 98.5 mm   |
| $r_{1,2}$ min.                | 2 mm      |
| $d_a$ - min.                  | 91 mm     |
| $d_b$ - max.                  | 98.5 mm   |
| $D_a$ - max.                  | 129 mm    |
| $D_b$ - max.                  | 134.4 mm  |
| $r_a$ - max.                  | 2 mm      |
| $r_b$ - max.                  | 1 mm      |
| Ball - $D_w$                  | 17.462 mm |
| $r_{3,4}$ - min.              | 1 mm      |
| Calculation factor - $f$      | 1.09      |
| $r_{1,2}$ - min.              | 2 mm      |
| Ball diameter $D_w$           | 17.462 mm |
| Basic dynamic load rating C   | 85.2 kN   |
| Preload class A $G_A$         | 320 N     |
| Basic dynamic load rating - C | 85.2 kN   |
| Preload class C $G_C$         | 1280 N    |
| Preload class D $G_D$         | 2560 N    |
| Preload class B $G_B$         | 640 N     |
| Preload class C - $G_C$       | 1280 N    |
| Preload class D - $G_D$       | 2560 N    |
| Preload class B - $G_B$       | 640 N     |
| Preload class A - $G_A$       | 320 N     |
| Calculation factor $f_1$      | 1         |
| Fatigue load limit $P_u$      | 3.05 kN   |
| Calculation factor $f_0$      | 15.1      |
| Calculation factor $f_{2D}$   | 1.05      |

|                                         |                |
|-----------------------------------------|----------------|
| Calculation factor $f_{HC}$             | 1              |
| Calculation factor $f_{2C}$             | 1.03           |
| Calculation factor $f_{2B}$             | 1.01           |
| Calculation factor $f_{2A}$             | 1              |
| Calculation factor - $f$                | 1              |
| Calculation factor - $f_0$              | 15.1           |
| Fatigue load limit - $P_u$              | 3 kN           |
| Calculation factor - $f_{2C}$           | 1.03           |
| Calculation factor - $f_{2D}$           | 1.05           |
| Calculation factor - $f_{2B}$           | 1.01           |
| Calculation factor - $f_{2A}$           | 1              |
| Calculation factor - $f_{HC}$           | 1              |
| Limiting speed for grease lubrication   | 9500 r/min     |
| Basic static load rating $C_0$          | 75 kN          |
| Static axial stiffness, preload class A | 96 N/ $\mu$ m  |
| Static axial stiffness, preload class B | 130 N/ $\mu$ m |
| Static axial stiffness, preload class C | 181 N/ $\mu$ m |
| Static axial stiffness, preload class D | 260 N/ $\mu$ m |
| Attainable speed for grease lubrication | 9500 r/min     |
| Basic static load rating - $C_0$        | 75 kN          |