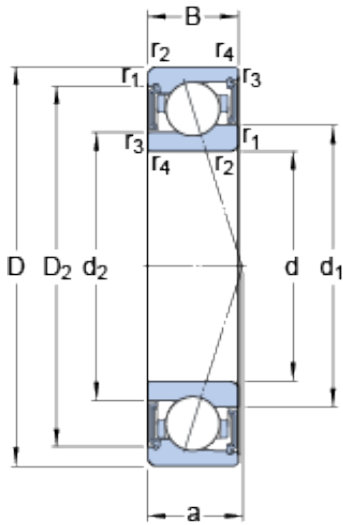




## SNR Bearing Argentina



S71917 CE/HCP4A Bearing 2D drawings and 3D CAD models

### 85 mm x 120 mm x 18 mm SKF S71917 CE/HCP4A angular contact ball bearings

Bearing No. S71917 CE/HCP4A

|   |              |
|---|--------------|
| Size                                      | 120x85x18 mm |
| Bore Diameter                             | 120 mm       |
| Outer Diameter                            | 85 mm        |
| Width                                     | 18 mm        |
| d   | 85 mm        |
| D   | 120 mm       |
| B   | 18 mm        |
| d <sub>1</sub>                            | 96 mm        |
| d <sub>2</sub>                            | 92.9 mm      |
| D <sub>2</sub>                            | 112.3 mm     |
| r <sub>1,2</sub> - min.                   | 1.1 mm       |
| r <sub>3,4</sub> - min.                   | 0.6 mm       |
| a   | 23.4 mm      |
| d <sub>a</sub> - min.                     | 91 mm        |
| d <sub>a</sub> - max.                     | 95.4 mm      |
| d <sub>b</sub> - min.                     | 88.2 mm      |
| d <sub>b</sub> - max.                     | 92.3 mm      |
| D <sub>a</sub> - max.                     | 114 mm       |
| D <sub>b</sub> - max.                     | 116.8 mm     |
| r <sub>a</sub> - max.                     | 1 mm         |
| r <sub>b</sub> - max.                     | 0.6 mm       |
| Basic dynamic load rating - C             | 29.6 kN      |
| Basic static load rating - C <sub>0</sub> | 23.2 kN      |
| Fatigue load limit - P <sub>u</sub>       | 0.95 kN      |



## SNR Bearing Argentina

|                                       |              |
|---------------------------------------|--------------|
| Limiting speed for grease lubrication | 18000 r/min  |
| Ball - $D_w$                          | 11.112 mm    |
| Ball - $z$                            | 23           |
| Calculation factor - $f_0$            | 8.4          |
| Preload class A - $G_A$               | 160 N        |
| Preload class B - $G_B$               | 479 N        |
| Preload class C - $G_C$               | 957 N        |
| Calculation factor - $f$              | 1.16         |
| Calculation factor - $f$              | 1            |
| Calculation factor - $f_{2A}$         | 1            |
| Calculation factor - $f_{2B}$         | 1.05         |
| Calculation factor - $f_{2C}$         | 1.09         |
| Calculation factor - $f_{HC}$         | 1.01         |
| Preload class A                       | 69 N/micron  |
| Preload class B                       | 109 N/micron |
| Preload class C                       | 150 N/micron |
| $d_1$                                 | 96 mm        |
| $d_2$                                 | 92.9 mm      |
| $D_2$                                 | 112.3 mm     |
| $r_{1,2}$ min.                        | 1.1 mm       |
| $r_{3,4}$ min.                        | 0.6 mm       |
| $d_a$ min.                            | 91 mm        |
| $d_a$ max.                            | 95.4 mm      |
| $d_b$ min.                            | 88.2 mm      |
| $d_b$ max.                            | 92.3 mm      |
| $D_a$ max.                            | 114 mm       |
| $D_b$ max.                            | 116.8 mm     |
| $r_a$ max.                            | 1 mm         |
| $r_b$ max.                            | 0.6 mm       |
| Basic dynamic load rating C           | 29.6 kN      |



## SNR Bearing Argentina

|   |                |
|---|----------------|
| Basic static load rating $C_0$          | 23.2 kN        |
| Fatigue load limit $P_u$                | 0.95 kN        |
| Attainable speed for grease lubrication | 18000 r/min    |
| Ball diameter $D_w$                     | 11.112 mm      |
| Number of balls $z$                     | 23             |
| Preload class A $G_A$                   | 160 N          |
| Static axial stiffness, preload class A | 69 N/ $\mu$ m  |
| Preload class B $G_B$                   | 479 N          |
| Static axial stiffness, preload class B | 109 N/ $\mu$ m |
| Preload class C $G_C$                   | 957 N          |
| Static axial stiffness, preload class C | 150 N/ $\mu$ m |
| Calculation factor $f$                  | 1.16           |
| Calculation factor $f_1$                | 1              |
| Calculation factor $f_{2A}$             | 1              |
| Calculation factor $f_{2B}$             | 1.05           |
| Calculation factor $f_{2C}$             | 1.09           |
| Calculation factor $f_{HC}$             | 1.01           |
| Calculation factor $f_0$                | 8.4            |
| Mass bearing                            | 0.44 kg        |