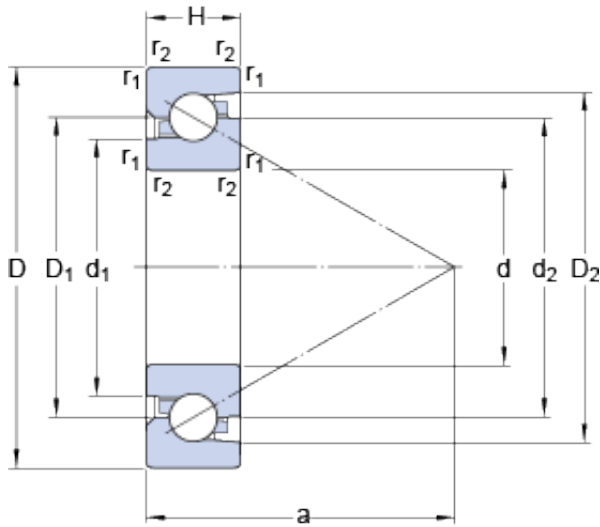




# Double BALL BEARINGS CO, LTD

## SKF BSA 215 C thrust ball bearings

Bearing No. BSA 215 C



BSA 215 C Bearing 2D drawings and 3D CAD models

|   |              |
|---|--------------|
| Size                                      | 75x130x25 mm |
| Bore Diameter                             | 75 mm        |
| Outer Diameter                            | 130 mm       |
| Width                                     | 25 mm        |
| d   | 75 mm        |
| D   | 130 mm       |
| H   | 25 mm        |
| d <sub>1</sub>                            | 91.23 mm     |
| d <sub>2</sub>                            | 100 mm       |
| D <sub>1</sub>                            | 100.1 mm     |
| D <sub>2</sub>                            | 110.73 mm    |
| r <sub>1,2</sub> - min.                   | 1.5 mm       |
| a   | 107 mm       |
| d <sub>a</sub> - min.                     | 85 mm        |
| d <sub>b</sub> - min.                     | 85 mm        |
| D <sub>a</sub> - max.                     | 122 mm       |
| D <sub>b</sub> - max.                     | 122 mm       |
| r <sub>a</sub> - max.                     | 1.5 mm       |
| Basic dynamic load rating - C             | 72 kN        |
| Basic static load rating - C <sub>0</sub> | 245 kN       |
| Fatigue load limit - P <sub>u</sub>       | 9.2 kN       |
| Limiting speed for grease lubrication     | 4300 r/min   |
| Limiting speed for oil lubrication        | 5000 mm/min  |
|   |              |



## Double BALL BEARINGS CO, LTD

|  |                      |
|--|----------------------|
| Preload class A                          | 6850 N               |
| Preload class B                          | 13700 N              |
| Frictional moment, Preload class A       | 0.65 N · m           |
| Frictional moment, Preload class B       | 1.4 N · m            |
| Static Axial rigidity, Preload class A   | 1870 N/micron        |
| Static Axial rigidity, Preload class B   | 2380 N/micron        |
| Max. axial load - $F_a$                  | max. 76 kN           |
| $G_{ref}$                                | 11.1 cm <sup>3</sup> |
| $d_1$                                    | 91.23 mm             |
| $d_2$                                    | 100 mm               |
| $D_1$                                    | 100.1 mm             |
| $D_2$                                    | 110.73 mm            |
| $r_{1,2}$ min.                           | 1.5 mm               |
| $d_a$ min.                               | 85 mm                |
| $d_b$ min.                               | 85 mm                |
| $D_a$ max.                               | 122 mm               |
| $D_b$ max.                               | 122 mm               |
| $r_a$ max.                               | 1.5 mm               |
| Basic dynamic load rating C              | 72 kN                |
| Basic static load rating $C_0$           | 245 kN               |
| Fatigue load limit $P_u$                 | 9.15 kN              |
| Attainable speed for grease lubrication  | 4300 r/min           |
| Attainable speed for oil-air lubrication | 5000 r/min           |
| Frictional moment, preload class A       | 0.65 N · m           |
| Frictional moment, preload class B       | 1.4 N · m            |
| Static axial stiffness, preload A        | 1870 N/ $\mu$ m      |



## Double BALL BEARINGS CO, LTD

|  |                      |
|--|----------------------|
| Static axial stiffness, preload<br>$B$             | 2380 N/ $\mu$ m      |
| Maximum axial load<br>carrying capacity $F_a$ max. | 76 kN                |
| Reference grease quantity<br>$G_{ref}$             | 11.1 cm <sup>3</sup> |
| Mass bearing                                       | 1.45 kg              |