

# SKF 7009 CD/P4A angular contact ball bearings

YOU'LL 55 Bore Diameter (mm) 35 Outer Diameter (mm) FIND AN EXTENSIVE 55x35x10 Size (mm) SELECTION OF SKF 7009 CD/P4A angular contact ball bearings FOR SALE.

|                     |          |
|---------------------|----------|
| Size (mm)           | 55x35x10 |
| Bore Diameter (mm)  | 55       |
| Outer Diameter (mm) | 35       |
| Width (mm)          | 10       |
| d                   | 35 mm    |
| D                   | 55 mm    |
| B                   | 10 mm    |
| d1                  | 41.7 mm  |
| d2                  | 40.2 mm  |
| D1                  | 48.29 mm |
| b                   | 1.6 mm   |
| C1                  | 5.1 mm   |
| C2                  | 1.8 mm   |
| C3                  | 1.2 mm   |
| r1,2 – min.         | 0.6 mm   |
| r3,4 – min.         | 0.3 mm   |
| a                   | 11.4 mm  |
| da – min.           | 38.2 mm  |
| db – min.           | 37 mm    |
| Da – max.           | 51.8 mm  |
| Db – max.           | 53 mm    |
| ra – max.           | 0.6 mm   |

|                                       |                     |
|---------------------------------------|---------------------|
| rb – max.                             | 0.3 mm              |
| dn                                    | 43 mm               |
| Basic dynamic load rating – C         | 7.6 kN              |
| Basic static load rating – C0         | 4.8 kN              |
| Fatigue load limit – Pu               | 0.2 kN              |
| Limiting speed for grease lubrication | 36000 r/min         |
| Limiting speed for oil lubrication    | 54000 mm/min        |
| Ball – Dw                             | 5.556 mm            |
| Ball – z                              | 19                  |
| Gref                                  | 0.8 cm <sup>3</sup> |
| Calculation factor – f0               | 8.3                 |
| Preload class A – GA                  | 41 N                |
| Preload class B – GB                  | 125 N               |
| Preload class C – GC                  | 250 N               |
| Calculation factor – f                | 1                   |
| Calculation factor – f2A              | 1                   |
| Calculation factor – f2B              | 1.04                |
| Calculation factor – f2C              | 1.08                |
| Calculation factor – fHC              | 1                   |
| Preload class A                       | 28 N/micron         |
| Preload class B                       | 43 N/micron         |
| Preload class C                       | 59 N/micron         |
| r1,2 min.                             | 0.6 mm              |
| r3,4 min.                             | 0.3 mm              |
| da min.                               | 38.2 mm             |
| db min.                               | 37 mm               |
| Da max.                               | 51.8 mm             |
| Db max.                               | 53 mm               |
| ra max.                               | 0.6 mm              |

|  |                     |
|--|---------------------|
| rb max.                                  | 0.3 mm              |
| Basic dynamic load rating C              | 7.61 kN             |
| Basic static load rating C0              | 4.75 kN             |
| Fatigue load limit Pu                    | 0.2 kN              |
| Attainable speed for grease lubrication  | 36000 r/min         |
| Attainable speed for oil-air lubrication | 54000 r/min         |
| Ball diameter Dw                         | 5.556 mm            |
| Number of balls z                        | 19                  |
| Reference grease quantity Gref           | 0.8 cm <sup>3</sup> |
| Preload class A GA                       | 41 N                |
| Static axial stiffness, preload class A  | 28 N/μm             |
| Preload class B GB                       | 125 N               |
| Static axial stiffness, preload class B  | 43 N/μm             |
| Preload class C GC                       | 250 N               |
| Static axial stiffness, preload class C  | 59 N/μm             |
| Calculation factor f                     | 1.05                |
| Calculation factor f1                    | 1                   |
| Calculation factor f2A                   | 1                   |
| Calculation factor f2B                   | 1.04                |
| Calculation factor f2C                   | 1.08                |
| Calculation factor fHC                   | 1                   |
| Calculation factor fθ                    | 8.3                 |
| Mass bearing                             | 0.075 kg            |