

# NSK BL 309 Z deep groove ball bearings

Enjoy High 22x10x6 Size (mm) Margins on Competitive 22 Bore Diameter (mm) 10 Outer Diameter (mm) Pricing.Great Wholesale Products at Low Costs.

|                               |         |
|-------------------------------|---------|
| Size (mm)                     | 22x10x6 |
| Bore Diameter (mm)            | 22      |
| Outer Diameter (mm)           | 10      |
| Width (mm)                    | 6       |
| d                             | 10 mm   |
| D                             | 22 mm   |
| B                             | 6 mm    |
| d1                            | 14 mm   |
| d2                            | 14 mm   |
| D1                            | 18 mm   |
| r1,2 – min.                   | 0.3 mm  |
| r3,4 – min.                   | 0.2 mm  |
| a                             | 6.8 mm  |
| da – min.                     | 12 mm   |
| db – min.                     | 12 mm   |
| Da – max.                     | 20 mm   |
| Db – max.                     | 20.6 mm |
| ra – max.                     | 0.3 mm  |
| rb – max.                     | 0.2 mm  |
| dn                            | 14.8 mm |
| Basic dynamic load rating – C | 2.4 kN  |
| Basic static load rating – C0 | 1.1 kN  |

|                                       |                      |
|---------------------------------------|----------------------|
| Fatigue load limit – Pu               | 0.045 kN             |
| Limiting speed for grease lubrication | 70000 r/min          |
| Limiting speed for oil lubrication    | 110000 mm/min        |
| Ball – Dw                             | 3.175 mm             |
| Ball – z                              | 12                   |
| Gref                                  | 0.12 cm <sup>3</sup> |
| Calculation factor – e                | 0.68                 |
| Calculation factor – Y2               | 1.41                 |
| Calculation factor – Y0               | 0.76                 |
| Calculation factor – X2               | 0.67                 |
| Calculation factor – Y1               | 0.92                 |
| Preload class A – GA                  | 15 N                 |
| Preload class B – GB                  | 30 N                 |
| Preload class C – GC                  | 60 N                 |
| Preload class D – GD                  | 120 N                |
| Calculation factor – f                | 1.03                 |
| Calculation factor – f1               | 0.98                 |
| Calculation factor – f2A              | 1                    |
| Calculation factor – f2B              | 1.07                 |
| Calculation factor – f2C              | 1.12                 |
| Calculation factor – f2D              | 1.17                 |
| Calculation factor – fHC              | 1.04                 |
| Preload class A                       | 32 N/micron          |
| Preload class B                       | 42 N/micron          |
| Preload class C                       | 54 N/micron          |
| Preload class D                       | 72 N/micron          |
| Inventory                             | 0.0                  |
| Manufacturer Name                     | SKF                  |
| Minimum Buy Quantity                  | N/A                  |

|  |                      |
|--|----------------------|
| Weight / Kilogram                        | 0                    |
| Product Group                            | B04270               |
| r1,2 min.                                | 0.3 mm               |
| r3,4 min.                                | 0.2 mm               |
| da min.                                  | 12 mm                |
| db min.                                  | 12 mm                |
| Da max.                                  | 20 mm                |
| Db max.                                  | 20.6 mm              |
| ra max.                                  | 0.3 mm               |
| rb max.                                  | 0.2 mm               |
| Basic dynamic load rating C              | 2.42 kN              |
| Basic static load rating C0              | 1.06 kN              |
| Fatigue load limit Pu                    | 0.045 kN             |
| Attainable speed for grease lubrication  | 70000 r/min          |
| Attainable speed for oil-air lubrication | 110000 r/min         |
| Ball diameter Dw                         | 3.175 mm             |
| Number of balls z                        | 12                   |
| Reference grease quantity Gref           | 0.12 cm <sup>3</sup> |
| Preload class A GA                       | 15 N                 |
| Static axial stiffness, preload class A  | 32 N/μm              |
| Preload class B GB                       | 30 N                 |
| Static axial stiffness, preload class B  | 42 N/μm              |
| Preload class C GC                       | 60 N                 |
| Static axial stiffness, preload class C  | 54 N/μm              |
| Preload class D GD                       | 120 N                |
| Static axial stiffness, preload class D  | 72 N/μm              |
| Calculation factor f                     | 1.03                 |
| Calculation factor f1                    | 0.98                 |
| Calculation factor f2A                   | 1                    |

|  |          |
|--|----------|
| Calculation factor f2B                             | 1.07     |
| Calculation factor f2C                             | 1.12     |
| Calculation factor f2D                             | 1.17     |
| Calculation factor fHC                             | 1.04     |
| Calculation factor e                               | 0.68     |
| Calculation factor (single, tandem) Y2             | 0.87     |
| Calculation factor (single, tandem) Y0             | 0.38     |
| Calculation factor (single, tandem) X2             | 0.41     |
| Calculation factor (back-to-back, face-to-face) Y1 | 0.92     |
| Calculation factor (back-to-back, face-to-face) Y2 | 1.41     |
| Calculation factor (back-to-back, face-to-face) Y0 | 0.76     |
| Calculation factor (back-to-back, face-to-face) X2 | 0.67     |
| Mass bearing                                       | 0.009 kg |