

# NACHI 6809ZE deep groove ball bearings

Our highly-skilled and factory-trained service experts 60 Outer Diameter (mm) have the resources to help you with all your NACHI 6809ZE deep groove ball bearings needs – 95x60x18 Size (mm) including routine maintenance, major 95 Bore Diameter (mm) repairs, warranty service, and equipment inspections.

|                     |          |
|---------------------|----------|
| Size (mm)           | 95x60x18 |
| Bore Diameter (mm)  | 95       |
| Outer Diameter (mm) | 60       |
| Width (mm)          | 18       |
| d                   | 60 mm    |
| D                   | 95 mm    |
| B                   | 18 mm    |
| d1                  | 70.8 mm  |
| d2                  | 70.8 mm  |
| D2                  | 86.74 mm |
| r1,2 – min.         | 1.1 mm   |
| r3,4 – min.         | 0.6 mm   |
| a                   | 19.4 mm  |
| da – min.           | 66 mm    |
| da – max.           | 70.2 mm  |
| db – min.           | 66 mm    |
| db – max.           | 70.2 mm  |
| Da – max.           | 89 mm    |
| Db – max.           | 91.8 mm  |
| ra – max.           | 1 mm     |

|                                       |              |
|---------------------------------------|--------------|
| rb – max.                             | 0.6 mm       |
| Basic dynamic load rating – C         | 40.3 kN      |
| Basic static load rating – C0         | 34.5 kN      |
| Fatigue load limit – Pu               | 1.5 kN       |
| Limiting speed for grease lubrication | 14000 r/min  |
| Ball – Dw                             | 11.112 mm    |
| Ball – z                              | 19           |
| Calculation factor – f0               | 15.4         |
| Preload class A – GA                  | 150 N        |
| Preload class B – GB                  | 300 N        |
| Preload class C – GC                  | 600 N        |
| Preload class D – GD                  | 1200 N       |
| Calculation factor – f                | 1            |
| Calculation factor – f2A              | 1            |
| Calculation factor – f2B              | 1.02         |
| Calculation factor – f2C              | 1.05         |
| Calculation factor – f2D              | 1.09         |
| Calculation factor – fHC              | 1            |
| Preload class A                       | 70 N/micron  |
| Preload class B                       | 95 N/micron  |
| Preload class C                       | 133 N/micron |
| Preload class D                       | 193 N/micron |
| Inventory                             | 0.0          |
| Manufacturer Name                     | SKF          |
| Minimum Buy Quantity                  | N/A          |
| Weight / Kilogram                     | 0.451        |
| Product Group                         | B04270       |
| Enclosure                             | 2 Seals      |

|                          |  |
|--------------------------|--|
| Precision Class          | ABEC 7   ISO P4  |
| Material – Ball          | Steel  |
| Number of Bearings       | 1 (Single)   |
| Contact Angle            | 15 Degree  |
| Preload                  | None   |
| Raceway Style            | 1 Rib Outer Ring   |
| Cage Material            | Phenolic   |
| Rolling Element          | Ball Bearing   |
| Enclosure Type           | Non Contact Seal   |
| Flush Ground             | No   |
| Inch – Metric            | Metric   |
| Other Features           | Single Row   Angular Contact   High Precision  |
| Long Description         | 60MM Bore; 95MM Outside Diameter; 18MM Width; 2 Seals Enclosure; ABEC 7   ISO P4 Precision; Steel Ba |
| UNSPSC                   | 31171531   |
| Harmonized Tariff Code   | 8482.10.50.28  |
| Noun                     | Bearing  |
| Keyword String           | Angular Contact Ball   |
| Manufacturer Item Number | S7012 CD/P4A   |
| Weight / LBS             | 0.994  |
| Bore                     | 2.362 Inch   60 Millimeter   |
| Width                    | 0.709 Inch   18 Millimeter   |
| Outside Diameter         | 3.74 Inch   95 Millimeter  |
| r1,2 min.                | 1.1 mm   |

|   |             |
|---|-------------|
| r <sub>3,4</sub> min.                   | 0.6 mm      |
| d <sub>a</sub> min.                     | 66 mm       |
| d <sub>a</sub> max.                     | 70.2 mm     |
| d <sub>b</sub> min.                     | 66 mm       |
| d <sub>b</sub> max.                     | 70.2 mm     |
| D <sub>a</sub> max.                     | 89 mm       |
| D <sub>b</sub> max.                     | 91.8 mm     |
| r <sub>a</sub> max.                     | 1 mm        |
| r <sub>b</sub> max.                     | 0.6 mm      |
| Basic dynamic load rating C             | 40.3 kN     |
| Basic static load rating C <sub>0</sub> | 34.5 kN     |
| Fatigue load limit P <sub>u</sub>       | 1.5 kN      |
| Attainable speed for grease lubrication | 14000 r/min |
| Ball diameter D <sub>w</sub>            | 11.112 mm   |
| Number of balls z                       | 19          |
| Preload class A GA                      | 150 N       |
| Static axial stiffness, preload class A | 70 N/μm     |
| Preload class B GB                      | 300 N       |
| Static axial stiffness, preload class B | 95 N/μm     |
| Preload class C GC                      | 600 N       |
| Static axial stiffness, preload class C | 133 N/μm    |
| Preload class D GD                      | 1200 N      |
| Static axial stiffness, preload class D | 193 N/μm    |
| Calculation factor f                    | 1.12        |
| Calculation factor f <sub>1</sub>       | 1           |

|                               |         |
|-------------------------------|---------|
| Calculation factor f2A        | 1       |
| Calculation factor f2B        | 1.02    |
| Calculation factor f2C        | 1.05    |
| Calculation factor f2D        | 1.09    |
| Calculation factor fHC        | 1       |
| Calculation factor f $\theta$ | 15.4    |
| Mass bearing                  | 0.41 kg |