

# 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