

208SZZG



Technical sheet of 208SZZG

What are the Benefits of choosing 208SZZG bearings?

- **Versatile Load Bearing:** Capable of simultaneously withstanding radial and bidirectional axial loads, suitable for high-speed and ultra-high-speed applications.
- **Low Friction and Long Life:** Optimized contact between the raceway and steel balls results in an extremely low coefficient of friction, minimal heat generation, and a long service life.
- **High Speed Capability:** Due to high operational precision, it allows for very high maximum speeds.
- **Low Maintenance Costs:** Can be designed with dust covers or sealing rings for lifetime lubrication, requiring no routine maintenance.
- **Rigid and Quiet Operation:** Provides a certain level of rotational stiffness while maintaining low operating noise and vibration levels.

Type :	Single row deep groove ball bearings	
Model :	208SZZG	
Main demensions :	40 mm × 80 mm × 18 mm	Bore Dia × Outside Dia × Width Dia
HS Code :	8482102000	Bearing customs code
d mm:	40	inner ring diameter
D mm:	80	Outer ring diameter
B(T) mm:	18	Overall Width

Detailed parameters and installation dimensions:

ID: 1.575 inch, OD: 3.15 inch, T/B: 0.709 inch, Seals type: 2 Seals, Precision: ABEC 1 | ISO P0, Maximum Capacity / Filling Slot: No, Rolling Element: Ball Bearing

Reference From MRC (SKF) 208SZZG Bearing, Deep Groove Ball, Radial, Cylindrical Bore, 40 mm id x 80 mm OD x 18 mm B;

Manufacturer Part Code: 208 SZZG;

Dimension Inside - id ϕ : 40 mm;

Dimension Outside - OD Φ : 80 mm;

Dimension Width - B: 18 mm;

Type Of Bore: Straight Bore;

Type of Seal: Two Sealed Shield;

Number of Rows & Fill Slot: 1;

Snap Ring: With Snap Ring;

Radial Internal Play: C3;

Radial (Dyn.load Cr): 6900 lbf;

Radial (Stat.load Cor): 4270 lbf;

Running Accuracy Class: ABEC 1;

Sealing Ring Type: Contacting seal;

Surface Coating: NO;

Material of Bearing: Bearing steel;

Material of Cage: Bearing steel;

Width Of Inner Ring: 18 mm;

Width Of Outer Ring: 18 mm;

Fillet Radius(ra): 1 mm;

Limiting speed (1/min): 10000 RPM;

Bearing Series: 62;

Bearing Mass (M): 0.86 lbs

What are the applications of the 208SZZG bearing?

- **Motors/Electrical Appliances:** Used in motors and home appliances. Ensures smooth high-speed operation and low noise.
- **Automotive Industry:** Used in generators and gearboxes. Suitable for medium loads and offers high reliability.
- **General Machinery:** Used in pumps, fans, and speed reducers. Low friction, maintenance-free, and long service life.

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