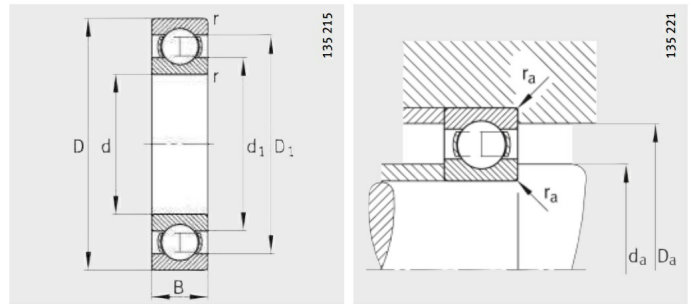


# 6208C4

Deep groove ball bearings open design, self-retaining



Mounting dimensions  
Open design

## Technical sheet of 6208C4

### What are the Benefits of choosing 6208C4 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.

<b>Type :</b>	Single row deep groove ball bearings	
<b>Model :</b>	<a href="#">6208C4</a>	
<b>Main demensions :</b>	40 mm × 80 mm × 18 mm	Bore Dia × Outside Dia × Width Dia
<b>M kg:</b>	0.36828	Mass
<b>HS Code :</b>	8482102000	Bearing customs code
<b>d mm:</b>	40	inner ring diameter
<b>D mm:</b>	80	Outer ring diameter

<b>B(T) mm:</b>	18	Overall Width
<b>Cr kN:</b>	30.927	Radial dynamic load rating
<b>C<sub>0r</sub> kN:</b>	17.713	Radial static load rating
<b>Grease r/min:</b>	9267	Reference speed
<b>Oil r/min:</b>	12264	Limiting speed

#### Detailed parameters and installation dimensions:

Part Number	6208C4
Series	62
Bearing Mass - m	0.36828 kg   0.812 lb
Reference speed - $n_B$	9267 min <sup>-1</sup>
Limiting speed - $n_G$	12264 min <sup>-1</sup>
Reference From	FAG 6208C4
Dimension Inside - d $\phi$ (mm)	40
Dimension Outside - D $\Phi$ (mm)	80
Dimension Width - B (mm)	18
Bore Type	Z = Cylindrical bore
Bearing Type	Deep groove ball bearings open design, self-retaining
Dimension - D <sub>2</sub>	70.36 mm   2.770 inch
Dimension - r(min.)	1.1 mm   0.043 inch
Dimension - D <sub>1</sub>	67.6 mm   2.661 inch
Dimension - d <sub>1</sub>	52.95 mm   2.085 inch
Rows NO.	one
Mounting dimensions - d <sub>a</sub> (min.)	47 mm   1.850 inch
Seal	Open
Mounting dimensions - D <sub>a</sub> (max.)	73 mm   2.874 inch
Mounting dimensions - r <sub>a</sub> (max.)	1 mm   0.039 inch
Cage	JN = Stamping steel cage
RIC	C4
Manufacturer Part Code	6208.C4
Radial Dynamic Capacity - C <sub>r</sub>	30927 N   6952 lbf
Radial static Capacity - C <sub>0r</sub>	17713 N   3981 lbf
Heat stabilization	SN = (up to 120 °C)
Lubricant	Without
Dimension Inside - d $\phi$ (inch)	1.575
Dimension Outside - D $\Phi$ (inch)	3.150
Dimension Width - B (inch)	0.709
Temperature - T(min)	-30°C
Temperature - T(max)	120°C
Equivalent	6208.C4
Radial Fatigue Capacity - C <sub>ur</sub>	1045 N   234 lbf
Coefficient - F <sub>0</sub>	14

### What are the applications of the 6208C4 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.

**Tradebearing(TBS):** <https://en.tradebearings.com/>

Email: [admin@tradebearings.com](mailto:admin@tradebearings.com)

Whatsapp/Mob.: +86 15906428604