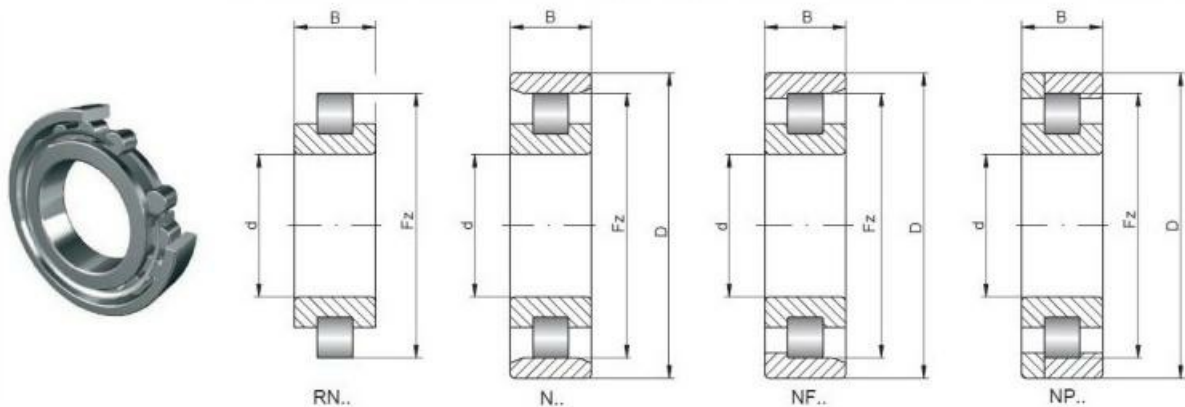


## N208E



### Technical sheet of N208E

#### What are the Benefits of choosing N208E bearings?

- **High radial load capacity:** The rollers and raceways have line contact, resulting in a rated radial load significantly higher than that of ball bearings of the same size.
- **Good high-speed performance:** Generally employs machined or stamped cages, resulting in low friction and suitability for high-speed operation.
- **High rigidity:** Minimal elastic deformation effectively supports the shaft and housing, improving the rigidity of the transmission system.
- **Separable design:** The inner ring (with roller cage) is separable from the outer ring, facilitating installation, disassembly, and maintenance.
- **Axial displacement adaptability:** Types without inner ring flanges (such as NU and N types) allow for free axial expansion and contraction of the shaft relative to the housing, addressing thermal expansion issues.
- **Compact structure:** Small cross-sectional height saves radial space.

Type :	Single row cylindrical roller bearings	
Model :	<a href="#">N208E</a>	
Old Code :	2208E	
Main demensions :	40 mm × 80 mm × 18 mm	Bore Dia × Outside Dia × Width Dia
M kg:	0.366	Mass
HS Code :	8482500090	Bearing customs code
d mm:	40	inner ring diameter
D mm:	80	Outer ring diameter
B(T) mm:	18	Overall Width

<b>Cr kN:</b>	43.8	Radial dynamic load rating
<b>C0r kN:</b>	42.9	Radial static load rating
<b>Grease r/min:</b>	8300	Reference speed
<b>Oil r/min:</b>	10000	Limiting speed

### Detailed parameters and installation dimensions:

Fz: 71.5 mm

Part Number: N208E

Technical description (E): E=Increased Load Capacity.

Bearing Type: Cylindrical Roller Bearings, Single Row

Bearing Size (metric): Bore Dia. (d): 40 mm X Outer dia. (D): 80 mm X Width (B): 18 mm or Size: 40 mm \* 80 mm \* 18 mm

Original Equipment Manufacture(OEM NO.): N208E

Bore: C (Cylindrical Bore)

Seals Type: No Seal

Cage Design: S (Steel or Standard Cage)

Radial internal clearance: Cn (Normal Internal clearance)

Precision Rating: Standard class precision

Thermal Stability: No Thermal Stability - Temperatures up to 120°C

### What are the applications of the N208E bearing?

- **Electric Motors and Generators:** Support high speeds and reduce frictional temperature rise.
- **Gearboxes:** Withstand high radial loads and improve transmission rigidity.
- **Pumps and Compressors:** Ensure stable rotor operation and extend service life.
- **Metallurgical Equipment:** Resistant to heavy loads and impacts, adaptable to high-temperature conditions.
- **Mining Machinery:** Resistant to vibration and dust, maintaining continuous operation.
- **Wind Power Equipment:** Reliably transmits torque and adapts to variable speed and load conditions.
- **Rail Transportation:** Withstands heavy vehicle loads and ensures safe operation.
- **Machine Tools:** Provides high-rigidity support to ensure machining accuracy.
- **Paper Machinery:** Maintains roller stability and improves paper quality.
- **Conveying Equipment:** Bears continuous loads and reduces downtime for maintenance.

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