Dodge ISN mounted spherical roller bearings
Dodge ISN mounted spherical roller bearings
Engineered for reliability and long life

**Easy to install and remove**

- Factory sealed and greased
- Patented sealing system for extended life
- Patented integral adapter mounting and dismounting system
- No shaft damage
- Arrives in one piece – ready to install
- Interchangeable with SN dimensioned housings
- Cast iron two-bolt plummer block bore sizes 30 mm to 140 mm
- Ductile iron four-bolt plummer block bore sizes 150 mm to 170 mm
- Optional end covers for safety and reliability
Dodge ISN mounted spherical roller bearings

Dimensional interchange with standard SN split cap bearings
Dodge ISN mounted spherical roller bearings

ISN benefits vs. standard SN products

• Arrives in one package – shaft ready
• Factory greased and sealed
• Cost of initial grease fill included with bearing
• Constant seal pressure in misaligned conditions
• Seal retains grease near the rollers
• Simple clearance setting – no special tools needed
• Easy, intuitive removal method

• Three or more packages – user assembled
• User packs grease – subject to on-site contamination
• Customer pays extra for initial grease fill
• Diminished seal pressure in misaligned conditions
• Grease migrates away from rollers to housing cavity
• Requires feeler gauges
• Difficult to remove
Dodge ISN mounted spherical roller bearings
Product differentiator – superior sealing

Industry leading seal technology

Contamination leads to premature product failure. That’s why Dodge ISN bearings feature innovative sealing systems that:

- Keep contaminants out
- Keep lubrication in
- Allow contaminated lubricant to purge
Dodge ISN mounted spherical roller bearings
Product differentiator – superior sealing

ISN Trident triple-lip sealing system

- Made of nitrile material
- Contact seal for wet or dirty environments
- Maintains full seal contact in misalignment
- Seals integral to the insert, not the housing
- Bearing interior can be fully purged
- Flinger also protects against contamination
- Optional end covers further enhance seal protection – also keeps workers safe from rotating shafts

- A labyrinth seal is available for higher speeds and higher operating temperatures
Field proven reliability

Installing and removing products can take time, and in many cases a great deal of effort. That’s why Dodge ISN bearings have been engineered with a patented integral adapter mounting systems that:

- Makes these bearings easy to install and remove - saving valuable time
- Prevents fretting corrosion – no need to cut the shaft to remove the product - saving money on shaft replacement
- Increases reliability
Dodge ISN mounted spherical roller bearings
Product differentiator – innovative shaft attachment methods

Patented ISN integral adapter system

- Integral adapter mounting and removal system
- Push to mount/pull to dismount adapter
- Easy 15 minute installation or removal
- Causes no shaft damage
- Single side access for installation and removal
- Set clearance by turning nut a specific distance past the zero point

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Dodge ISN mounted spherical roller bearing
Product differentiator – innovative shaft attachment methods

Set Screw

- 500 hours in service
- Fretting corrosion on shaft
- Scar and mar on shaft
- Hard to remove the bearing

ISN

- 2500 hours in service
- No fretting corrosion on shaft
- No scars or marring
- Easy to remove the bearing
Dodge ISN mounted spherical roller bearing

Expansion capability

**Field convertible**

- Easy conversion between expansion and non-expansion
- Snap ring re-positions from one housing bore groove to the other
Dodge ISN mounted spherical roller bearings
Optional end covers

End covers for safety and reliability

- Keep workers safe from rotating shafts
- Helps prevent contaminants from coming in contact with the seal
- Durable
- Easy to install
- Open and closed versions available
Dodge ISN mounted spherical roller bearings

ISN in application

Belt conveyor assembly

Conveyor pulley assembly
Dodge ISN mounted spherical roller bearing

Industrial fan

Quarry conveyor
Dodge ISN mounted spherical roller bearings

ISN in application

Pump system

Bucket elevator