

# Insulated Deep Groove Ball Bearing 6218/C4VL0241

This is an insulated deep groove ball bearing. It prevents electrical current from passing through the bearing, protecting against electrical erosion.



## Product Overview



Designed for optimal load capacity and durability in high-voltage environments.

## High-Performance Insulated Deep Groove Ball Bearing

This deep groove ball bearing is specifically designed to prevent electrical erosion in demanding industrial applications such as electric motors and generators. Featuring advanced insulation technology on the outer ring, it effectively blocks stray electrical currents to ensure reliable operation and an extended service life. The robust construction provides exceptional load-carrying capacity, making it an ideal solution for reducing maintenance costs in harsh environments.

## Technical Dimensions

### Physical Dimensions

**90 mm**

Bore Diameter (d)

**160 mm**

Outer Diameter (D)

**30 mm**

Width (B)

## Electrical Insulation



Advanced insulation technology prevents electrical current passage, protecting the bearing from erosion.

## Insulation Specifications

Property	Value
Breakdown Voltage	1000V DC
Electrical Resistance	>50M $\Omega$
Coated Component	Outer ring
Insulation Type	VL0241

## Product Details

### Internal Clearance

C4

### Bearing Type

Deep groove ball bearing

## Logistics & Service

### Packaging Methods

- Carton boxes
- Wooden Cases
- Pallets

### Available Services

Neutral, OEM, Custom Request

## Compliance

### Quality Certifications

ISO 9001, CE