

### **Bearing Specifications**

- Bearing Type: Deep Groove Ball Bearing (NSK 6201)
- Inner Diameter: 12 mm
- Outer Diameter: 32 mm
- Load Capacity: 7.28 kN

### **Material Properties**

- AISI 1045 Steel: Yield Strength = 530 MPa, Ultimate Tensile Strength = 625 MPa
- AISI 52100 Chrome Steel: High Hardness (Rockwell C 60-67), Wear Resistance