



Grade 13 Ball Bearing Butt Hinges inc Dog Bolt – 102 x 76mm – Satin Stainless Steel

Variant code: 2220.13.DB.SSS

The **Grade 13 Ball Bearing Butt Hinge with Dog Bolt** is a premium security hinge designed for heavy-duty commercial and residential doors where enhanced protection against forced entry is required. Measuring **102 x 76mm** and manufactured from high-quality stainless steel with a **Satin Stainless Steel (SSS)** finish, this hinge combines smooth operation with increased door security and long-lasting durability.

Featuring precision **ball bearing knuckles**, the hinge delivers exceptionally smooth and quiet door movement while reducing friction and wear during frequent use. The integrated **dog bolt security pin** engages with the opposing leaf when the door is closed, helping to resist attack should the hinge knuckle or pin be compromised. Manufactured to **Grade 13** performance standards, the hinge is suitable for demanding applications, including certified fire door installations and high-traffic environments.

Ideal for new-build developments, refurbishment projects and security-conscious installations, the Grade 13 Ball Bearing Butt Hinge with Dog Bolt provides reliable performance, enhanced security and long-term durability for professional door installations.

Product Features

- Grade 13 ball bearing butt hinge with integrated dog bolt
- Dimensions: 102 x 76mm
- Manufactured from stainless steel
- Satin Stainless Steel (SSS) finish
- Integrated dog bolt security feature
- Precision ball bearing mechanism for smooth operation
- Heavy-duty architectural hinge for high-performance applications
- Suitable for commercial and residential installations
- Suitable for fire door applications
- Corrosion-resistant construction

Product Benefits

- **Integrated dog bolt provides additional protection against forced entry if hinge pins are attacked**
- **Ball bearing construction delivers smooth, quiet operation with reduced wear over time**
- **Grade 13 performance makes the hinge suitable for demanding commercial and fire door applications**
- Stainless steel construction offers excellent corrosion resistance and long service life
- Satin stainless steel finish complements modern architectural door hardware
- Suitable for frequent use in high-traffic environments
- Provides dependable support for heavy timber doors
- Ideal for both new installations and replacement projects

Technical Characteristics

- Product Type: Ball Bearing Butt Hinge with Dog Bolt
- Performance Grade: Grade 13
- Dimensions: 102 x 76mm
- Material: Stainless Steel
- Finish: Satin Stainless Steel (SSS)
- Bearing Type: Ball Bearing
- Security Feature: Integrated Dog Bolt
- Application: Internal and External Doors
- Suitable For: Commercial & Residential Installations
- Fire Door Suitable: Yes
- Corrosion Resistant: Yes

Applications

The **Grade 13 Ball Bearing Butt Hinge with Dog Bolt** is ideal for **commercial buildings, offices, schools, hospitals, hotels, apartment developments, care homes and residential properties**. Suitable for installation on **timber entrance doors, fire doors, security doors and other high-use doors**, it combines smooth operation with enhanced security, making it an excellent choice where both durability and protection against unauthorised entry are important.

Property

Value

Finish

Satin Stainless Steel

Property	Value
Material	Grade 201 Stainless Steel
Certification	BS EN 1935 : 2002 Grade 13
Dimensions	102 x 76mm
Bearing Type	Ball Bearing