



Grade 13 Ball Bearing Butt Hinges – 102 x 76mm – Polished Stainless Steel – Square Corners

Variant code: 2220.13.PSS

The **Grade 13 Ball Bearing Butt Hinge** is a heavy-duty architectural hinge designed to provide smooth, reliable door operation in both commercial and residential applications. Measuring **102 x 76mm** with a premium **Polished Stainless Steel (PSS)** finish, this hinge combines exceptional strength with a contemporary appearance, making it ideal for high-traffic environments and fire door installations.

Manufactured to the highest performance standards, this Grade 13 hinge features precision-engineered **ball bearings** that minimise friction and ensure smooth, quiet operation while extending the service life of the hinge. Suitable for doors weighing up to **120kg**, it is **CE marked**, **Certifire approved** and fire door rated, providing confidence for use on certified fire door assemblies. Available with both **square and radius corners**, it offers flexibility to suit a variety of door preparations and installation requirements.

Backed by a **10-year mechanical guarantee**, the Grade 13 Ball Bearing Butt Hinge is the professional choice for new-build projects, refurbishment work and replacement installations. While a pair of hinges is suitable for standard internal residential doors, fitting **three hinges per door** is recommended to distribute the load more evenly, improve stability and help reduce the risk of twisting or warping over time.

Product Features

- Grade 13 ball bearing butt hinge
- Dimensions: 102 x 76mm
- Premium Polished Stainless Steel (PSS) finish
- Precision ball bearing mechanism for smooth operation
- Maximum door weight: 120kg
- Available with square or radius corners
- CE marked and Certifire approved
- Fire door rated
- Suitable for commercial and domestic applications

- 10-year mechanical guarantee

Product Benefits

- **Supports doors weighing up to 120kg for demanding commercial and residential use**
- **Ball bearing design provides smooth, quiet operation while reducing wear**
- **CE marked, Certifire approved and fire door rated for trusted performance on certified fire door assemblies**
- Polished stainless steel finish complements contemporary architectural hardware
- Choice of square or radius corners simplifies installation on different door preparations
- Corrosion-resistant construction offers long-lasting durability
- Using three hinges helps distribute door weight and reduce twisting or warping over time
- Backed by a 10-year mechanical guarantee for added peace of mind

Technical Characteristics

- Product Type: Ball Bearing Butt Hinge
- Performance Grade: Grade 13
- Dimensions: 102 x 76mm
- Material: Stainless Steel
- Finish: Polished Stainless Steel (PSS)
- Bearing Type: Ball Bearing
- Maximum Door Weight: 120kg
- Corner Options: Square or Radius
- Certification: CE Marked & Certifire Approved
- Fire Rating: Suitable for Fire Door Applications
- Application: Commercial & Domestic Doors
- Guarantee: 10-Year Mechanical Guarantee

Applications

The **Grade 13 Ball Bearing Butt Hinge** is ideal for **offices, schools, hospitals, hotels, apartment buildings, care homes, retail premises and residential properties**. Suitable for installation on **timber fire doors, internal doors and high-use commercial doors**, it provides smooth, reliable operation and long-lasting performance. For standard internal residential doors, two hinges are generally sufficient, while fitting **three hinges per**

door is recommended to improve load distribution, enhance stability and minimise the risk of door twisting or warping.

Property	Value
Finish	Polished Stainless Steel
Material	Grade 201 Stainless Steel
Max Door Weight (kg)	120
Certification	CE Marked & Certifire Approved
Dimensions	102 x 76 x 3mm
Bearing Type	Ball Bearing