



Grade 14 High Performance Butt Hinge – 102 x 76mm – Square Corners – Bronze

Variant code: 2205.01.BZ

The **Grade 14 High Performance Butt Hinge** is a premium architectural hinge engineered for heavy-duty commercial and residential applications where exceptional strength, durability and smooth operation are essential. Measuring **102 x 76mm** with a stylish **Bronze** finish, this high-performance hinge is ideal for demanding environments and certified fire door installations.

Manufactured to meet **BS EN 1935:2002 Grade 14**, the highest performance classification for single-axis hinges, this hinge is designed to support doors weighing up to **160kg**. Its **self-lubricating** bearing system ensures smooth, quiet operation while minimising maintenance requirements throughout its service life. The hinge is **CE marked**, **UKCA marked** and **Certifire approved**, making it suitable for use on certified fire door assemblies. For enhanced fire performance, compatible **intumescent hinge pads are available separately**.

Suitable for new-build developments, commercial fit-outs and refurbishment projects, the Grade 14 High Performance Butt Hinge provides outstanding reliability, certified performance and long-term durability for professional architectural door installations.

Product Features

- Grade 14 high performance butt hinge
- Dimensions: 102 x 76mm
- Square corner design
- Bronze finish
- Certified to BS EN 1935:2002 Grade 14
- Self-lubricating bearing system
- Low maintenance operation
- Supports door weights up to 160kg
- CE marked, UKCA marked and Certifire approved
- Compatible intumescent hinge pads available separately

Product Benefits

- Supports doors weighing up to 160kg

- for demanding commercial applications
- **Self-lubricating mechanism delivers smooth, quiet operation with minimal maintenance**
 - **Certified to BS EN 1935 Grade 14 with CE, UKCA and Certifire approval for trusted fire door performance**
 - Bronze finish provides an elegant architectural appearance
 - Suitable for high-frequency use in busy environments
 - Engineered for long service life and dependable performance
 - Compatible with separately available intumescent hinge pads for fire door installations
 - Ideal for professional new-build and refurbishment projects

Technical Characteristics

- Product Type: High Performance Butt Hinge
- Performance Grade: Grade 14
- Standard: BS EN 1935:2002 Grade 14
- Dimensions: 102 x 76mm
- Corner Type: Square
- Finish: Bronze
- Bearing Type: Self-Lubricating
- Maximum Door Weight: 160kg
- Certification: CE Marked, UKCA Marked & Certifire Approved
- Maintenance: Low Maintenance
- Fire Door Accessories: Intumescent Hinge Pads Available Separately

Applications

The **Grade 14 High Performance Butt Hinge** is ideal for **offices, hospitals, schools, hotels, apartment developments, public buildings and high-end residential properties**. Designed for installation on **heavy-duty timber doors and certified fire doors**, it provides exceptional strength, smooth operation and long-lasting reliability in high-traffic environments. For fire-rated door assemblies, compatible **intumescent hinge pads** can be fitted separately where required.

Property	Value
Finish	Bronze
Fire Rating	FD120 & FD240

Property	Value
Max Door Weight (kg)	Up to 160 kg
Hinge Type	Ball Bearing, Self-Lubricating
Certification	BS EN 1935:2002 Grade 14, CE 2812, UKCA 1121, Certifire CF5320
Dimensions	102 × 76 × 3.4mm