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Grade 13 Ball Bearing Butt Hinges - 102 x 76mm - Satin Stainless Steel - Radiused Corners

Variant code: 2220.13R.SSS

The **Grade 13 Double Ball Bearing Butt Hinge** is a premium architectural hinge engineered for heavy-duty commercial and residential door installations. Measuring **102 x 76mm** and finished in **Satin Stainless Steel (SSS)**, this high-performance hinge combines exceptional durability with smooth, quiet operation, making it ideal for high-traffic environments and certified fire door applications.

Manufactured to meet the requirements of **BS EN 1935:2002 Grade 13**, the hinge features a precision **double ball bearing mechanism** that reduces friction, minimises wear and provides reliable long-term performance. Suitable for doors weighing up to **120kg**, it is available with **square or radiused corners** to suit different door preparations. The hinge is **CE marked**, **UKCA marked** and **Certifire approved**, making it suitable for certified fire door assemblies. Compatible **Intumescent Hinge Pads** are available separately where required.

Designed for new-build developments, commercial fit-outs and refurbishment projects, the Grade 13 Double Ball Bearing Butt Hinge delivers dependable performance, certified compliance and long-lasting reliability for professional architectural door installations.

Product Features

- Grade 13 double ball bearing butt hinge
- Dimensions: 102 x 76mm
- Available with square or radiused corners
- Premium Satin Stainless Steel (SSS) finish
- Certified to BS EN 1935:2002 Grade 13
- Double ball bearing mechanism
- Supports door weights up to 120kg
- CE marked and UKCA marked
- Certifire approved
- Compatible Intumescent Hinge Pads available separately

Product Benefits

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- **Supports doors weighing up to 120kg for demanding commercial and residential applications**
- **Double ball bearing mechanism provides smooth, quiet operation with reduced wear**
- **Certified to BS EN 1935 Grade 13 with CE, UKCA and Certifire approval for trusted fire door performance**
- Satin stainless steel finish offers excellent corrosion resistance and a modern architectural appearance
- Choice of square or radiused corners accommodates different door preparations
- Suitable for frequent use in high-traffic environments
- Compatible with separately available Intumescent Hinge Pads for fire-rated door assemblies
- Designed for long-lasting performance and professional installations

Technical Characteristics

- Product Type: Double Ball Bearing Butt Hinge
- Performance Grade: Grade 13
- Standard: BS EN 1935:2002 Grade 13
- Dimensions: 102 x 76mm
- Corner Options: Square or Radiused
- Bearing Type: Double Ball Bearing
- Maximum Door Weight: 120kg
- Finish: Satin Stainless Steel (SSS)
- Certification: CE Marked, UKCA Marked & Certifire Approved
- Fire Door Accessory: Intumescent Hinge Pads Available Separately

Applications

The **Grade 13 Double Ball Bearing Butt Hinge** is ideal for **offices, schools, hospitals, hotels, apartment developments, care homes, retail premises and residential properties**. Suitable for installation on **timber internal doors, entrance doors and certified fire doors**, it provides smooth, reliable operation and exceptional durability for medium to high-traffic commercial and residential environments.

Property	Value
Finish	Satin Stainless Steel

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Property	Value
Material	Grade 201 Stainless Steel
Fire Rating	Timber fire doors up to 120 minutes; steel fire doors up to 240 minutes
Max Door Weight (kg)	120
Hinge Type	Twin Ball Bearing Butt Hinge
Certification	CE Marked, UKCA Marked, Certifire CF849
Dimensions	102 x 76 x 3 mm