SWS HARDWARE

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TRITECH Concealed Bearing High Performance Hinges inc Screws - CE Marked - 100 x 76mm - Matt Black Nickel

Variant code: 1750CE.MBN

The **TRITECH Concealed Bearing High Performance Hinge** is a premium **solid brass projection hinge** designed for demanding **heavy weight flush door** applications. Measuring **100 x 76mm**, this high-performance hinge combines robust construction with a **concealed bearing system** to deliver smooth and dependable operation in high-use architectural door installations.

Engineered for demanding door applications, the hinge provides a **weight carrying capacity of up to 160kg** and is tested to **BS EN 1935 Grade 14**. Its combination of **solid brass construction and high-performance concealed bearings** makes it particularly suitable for heavy weight flush doors where durability, smooth movement and long-term reliability are essential.

The hinge is **CE marked** and available with **FD30 and FD60 fire rated options** to accommodate different fire door requirements. Designed to be **maintenance free** and supported by a **25-year performance guarantee**, the range is also available with **security bolt and radius corner options** for additional installation flexibility.

Product Features

- **High performance concealed bearing projection hinge**
- **100 x 76mm** hinge dimensions
- Manufactured from **solid brass**
- Designed for **heavy weight flush doors**
- **Weight carrying capacity up to 160kg**
- Tested to **BS EN 1935 Grade 14**
- **CE marked** for specified performance
- **FD30 and FD60 fire rated options** available
- Designed to be **maintenance free**
- Backed by a **25-year performance guarantee**
- **Security bolt option** available
- **Radius corner options** available

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Product Benefits

- **Up to 160kg weight carrying capacity provides dependable support for heavy weight flush doors**
- **High-performance concealed bearing system promotes smooth and consistent door movement**
- **BS EN 1935 Grade 14 testing provides proven performance for demanding door applications**
- **Solid brass construction** provides a robust, high-quality hinge solution for professional installations
- **CE marked** for clearly identified product performance
- **Maintenance-free design** helps minimise ongoing servicing requirements
- **FD30 and FD60 fire rated options** provide flexibility for suitable fire door installations
- **Security bolt and radius corner options** allow the hinge specification to be tailored to different installation requirements
- **25-year performance guarantee** provides long-term assurance for demanding applications

Technical Characteristics

- **Product Type:** Concealed Bearing Projection Hinge
- **Material:** Solid Brass
- **Dimensions:** 100 x 76mm
- **Bearing Type:** High Performance Concealed Bearing
- **Weight Carrying Capacity:** Up to 160kg
- **Suitable For:** Heavy Weight Flush Doors
- **Performance Classification:** BS EN 1935 Grade 14
- **Certification:** CE Marked
- **Fire Rating Options:** FD30 & FD60
- **Maintenance:** Maintenance Free
- **Performance Guarantee:** 25 Years
- **Additional Options:** Security Bolt & Radius Corners Available

Applications

The **TRITECH Concealed Bearing High Performance Hinge** is designed for **heavy weight flush doors** in demanding architectural and commercial environments. With a **weight carrying capacity of up to 160kg, BS EN 1935 Grade 14 performance, CE marking and high-performance**

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concealed bearing system, it provides a robust solution for high-use door installations. **FD30 and FD60 fire rated options**, together with available **security bolt and radius corner configurations**, provide additional flexibility for different project requirements.

Property	Value
Finish	Matt Black Nickel
Load Capacity (kg)	160
Fire Rating	FD30 & FD60
Overall Length (mm)	100
Certification	CE Marked
Thickness (mm)	3.5
Overall Width (mm)	76
Screws (Required Qty)	10
Screws (Gauge)	10
Screws (mm)	9.5 x 32
Knuckle Diameter (mm)	13