



## TRITECH Concealed Bearing High Performance Hinges inc Screws – CE Marked – 101.6 x 100mm – Aged Brass

Variant code: 1780CE.AGD

The **TRITECH Concealed Bearing High Performance Projection Hinge** is a premium **solid brass hinge** designed for demanding **heavy weight flush door** applications. With dimensions of **101.6 x 100mm**, this robust projection hinge combines high-quality construction with a **high performance concealed bearing system** to provide smooth and dependable operation.

Engineered for substantial door applications, the hinge offers a **weight carrying capacity of up to 160kg** and is suitable for **heavy weight flush doors**. Its combination of solid brass construction and concealed bearing technology provides a durable solution for high-use doors where reliable movement and long-term performance are important.

The hinge is **CE marked** and available with **FD30 and FD60 fire rated options** to accommodate suitable fire door applications. Designed to be **maintenance free** and backed by a **25-year performance guarantee**, it is also available with **security bolt and radius corner options** to meet different installation requirements.

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### Product Features

- **High performance concealed bearing projection hinge**
- **101.6 x 100mm** hinge dimensions
- Manufactured from **solid brass**
- Designed for **heavy weight flush doors**
- **Weight carrying capacity up to 160kg**
- **High performance concealed bearing system**
- **CE marked**
- **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
- **Solid brass construction** provides a robust solution for demanding high-use door installations
- **Projection hinge configuration** provides additional clearance where required by the door installation
- **Maintenance-free design** helps minimise ongoing servicing requirements
- **FD30 and FD60 fire rated options** provide flexibility for suitable fire door applications
- **Security bolt and radius corner options** allow greater flexibility across different installations
- **25-year performance guarantee** provides long-term assurance for demanding applications

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## Technical Characteristics

- **Product Type:** Concealed Bearing Projection Hinge
- **Material:** Solid Brass
- **Dimensions:** 101.6 x 100mm
- **Bearing Type:** High Performance Concealed Bearing
- **Weight Carrying Capacity:** Up to 160kg
- **Suitable For:** Heavy Weight Flush Doors
- **Certification:** CE Marked
- **Fire Rating Options:** FD30 & FD60
- **Maintenance:** Maintenance Free
- **Performance Guarantee:** 25 Years
- **Additional Options:** Security Bolt & Radius Corners Available

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## Applications

The **TRITECH Concealed Bearing High Performance Projection Hinge** is designed for **heavy weight flush doors** in demanding commercial, public and architectural environments. Combining **solid brass construction, high performance concealed bearings and a weight carrying capacity of up to 160kg**, it provides a durable solution for high-use doors requiring **smooth movement, dependable support and long-term performance**. Available **FD30 and FD60 fire rated, security bolt and**

**radius corner options** provide additional flexibility for different project requirements.

| Property              | Value         |
|-----------------------|---------------|
| Finish                | Aged Brass    |
| Load Capacity (kg)    | 160           |
| Fire Rating           | FD30 and FD60 |
| Overall Length (mm)   | 100           |
| Certification         | CE and UKCA   |
| Thickness (mm)        | 3.5           |
| Projection (mm)       | 50            |
| Overall Width (mm)    | 101.6         |
| Screws (Required Qty) | 10            |
| Screws (Gauge)        | 10            |
| Screws (mm)           | 9.5 x 32      |
| Knuckle Diameter (mm) | 13            |