



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

Variant code: 1780CE.AB

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.

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



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

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

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	Antique 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