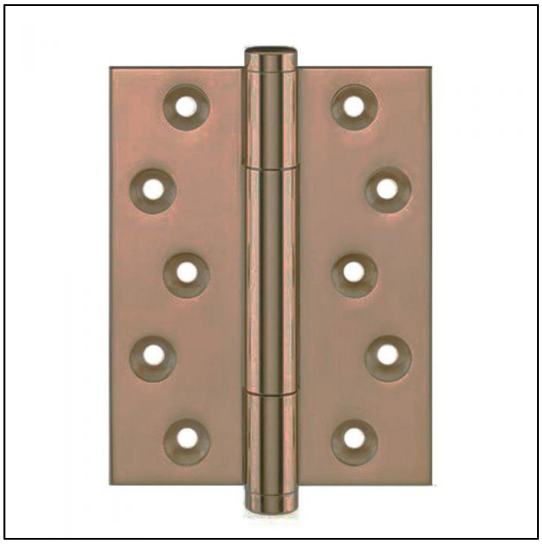
SWS HARDWARE

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TRITECH Concealed Bearing High Performance Hinges inc Screws & 'SATURN' Finials - CE Marked - 100 x 75mm - Antique Brass

Variant code: 1750CE.AB.SATURN

The **TRITECH High-Performance Concealed Bearing Projection Hinge with Saturn Finials** is a premium **solid brass architectural hinge** engineered for **heavy-weight flush doors**. Measuring **100 x 76.2mm** and finished in traditional **Antique Brass**, it combines substantial load-bearing performance with decorative Saturn finial detailing for demanding architectural door applications.

Designed around a **high-performance concealed bearing system**, the hinge provides a manufacturer-specified **160kg weight-carrying capacity** and has been **tested to BS EN 1935 Grade 14**. Its substantial construction incorporates a **13mm knuckle diameter** and **3.5mm material thickness**, while its maintenance-free design makes it particularly well suited to high-performance door installations.

For projects requiring documented performance, the hinge is **CE and UKCA marked** and is available with **FD30 and FD60 fire-rated options**. A manufacturer-backed **25-year performance guarantee** provides additional confidence, while the combination of **Antique Brass and decorative Saturn finials** delivers a traditional architectural appearance suitable for prestigious and period-inspired interior schemes.

Product Features

- **High-performance concealed bearing projection hinge**
- Manufactured from **solid brass**
- Suitable for **heavy-weight flush doors**
- Manufacturer-specified **160kg load capacity**
- Tested to **BS EN 1935 Grade 14**
- **CE and UKCA marked**
- **FD30 and FD60 fire-rated options** available

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- **Maintenance-free** hinge design
- Backed by a **25-year performance guarantee**
- Overall dimensions of **100 x 76.2mm**
- **13mm knuckle diameter**
- **3.5mm material thickness**
- Decorative **Saturn finials** for enhanced architectural detailing
- Traditional **Antique Brass finish**
- **Security bolt and radius corner options** available within the hinge range
- Suitable for **right- and left-hand applications**

Product Benefits

- **160kg load capacity provides high-performance support for appropriately specified heavy-weight flush doors**
- **BS EN 1935 Grade 14 testing provides documented performance for demanding architectural door applications**
- **CE and UKCA marking with FD30 and FD60 fire-rated options supports specification for appropriate performance door installations**
- **Maintenance-free concealed bearing system** helps minimise routine hinge maintenance requirements
- **25-year performance guarantee** provides long-term confidence in the hinge's specified performance
- Substantial **3.5mm material thickness and 13mm knuckle diameter** complement its heavy-weight door application
- Decorative **Saturn finials and Antique Brass finish** provide a distinctive traditional architectural appearance
- **Security bolt and radius corner options** provide additional specification flexibility within the hinge range

Technical Characteristics

- **Product Type:** High-Performance Concealed Bearing Projection Hinge
- **Material:** Solid Brass
- **Finish:** Antique Brass
- **Finial Style:** Saturn
- **Bearing Type:** Concealed Bearing
- **Overall Length:** 100mm
- **Overall Width:** 76.2mm
- **Material Thickness:** 3.5mm
- **Knuckle Diameter:** 13mm

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- **Load Capacity:** 160kg
- **Performance Testing:** BS EN 1935 Grade 14
- **Classification:** EN 1935 / EAD - 4 7 7 1 1 1 4 0 14
- **Quality Marks:** CE & UKCA
- **Fire Rating:** FD30 & FD60 Options Available
- **Maintenance:** Maintenance-Free
- **Performance Guarantee:** 25 Years
- **Handing:** Right & Left Hand
- **Suitable For:** Heavy-Weight Flush Doors

Applications

The **TRITECH High-Performance Concealed Bearing Projection Hinge with Saturn Finials** is designed for **heavy-weight flush doors** requiring substantial load-bearing capability and documented performance. Its **160kg load capacity**, **BS EN 1935 Grade 14 testing**, concealed bearing construction and available **FD30 and FD60 fire-rated options** make it particularly suited to demanding architectural door installations. The combination of an **Antique Brass finish and decorative Saturn finials** also makes it an attractive choice for **period-inspired interiors, premium refurbishment projects and bespoke architectural joinery** where high performance and traditional detailing are equally important.

Property	Value
Finish	Antique Brass
Load Capacity (kg)	160
Fire Rating	FD30 & FD60
Overall Length (mm)	100
Certification	CE & UKCA
Thickness (mm)	3.5
Overall Width (mm)	76.2
Screws (Required Qty)	10
Screws (Gauge)	10
Screws (mm)	9.5 x 32
Knuckle Diameter (mm)	13