



TECTUS 3D Adjustable Concealed Hinge –125 x 36mm – 60KG – 12mm Offset 44mm Door – Satin Nickel (SW44)

Variant code: TE311.3D.FVZ.44.SW144

The **TECTUS 3D Adjustable Concealed Hinge** is a specialist completely concealed hinge designed for **unrebated residential doors with recessed frames**. Suitable for recessed frame constructions with an offset of up to **12mm**, it provides a clean architectural solution where the door and frame arrangement requires additional offset while maintaining a fully concealed hinge appearance when the door is closed.

With a manufacturer-specified **60kg load capacity**, the hinge features an overall length of **125mm**, a **36mm door part** and a **24mm frame part**. It is designed for doors with a minimum thickness of **44mm** and is suitable for use with **block and steel frames**. A sideways-closed hinge body also contributes to an aesthetically pleasing mortise appearance.

Comfortable **3D adjustment** enables precise alignment after installation, providing **+/-3mm side adjustment, +/-3mm height adjustment and +/-1mm compression adjustment**. Combined with **maintenance-free slide bearings** and an opening angle of up to **180°**, the hinge provides a high-quality concealed solution for recessed-frame residential door installations.

Product Features

- **Completely concealed hinge system** for clean architectural door designs
- Designed specifically for **unrebated residential doors with recessed frames**
- Suitable for **recessed frames up to 12mm**
- Manufacturer-specified **60kg load capacity**
- Overall hinge length of **125mm**
- **36mm door part width**
- **24mm frame part width**
- Suitable for doors with a minimum thickness of **44mm**
- Designed for use with **block and steel**



frames

- **Sideways-closed hinge body** for an aesthetically pleasing mortise appearance
- Comfortable **3D adjustment** for accurate door alignment
- **Side adjustment:** +/-3mm
- **Height adjustment:** +/-3mm
- **Compression adjustment:** +/-1mm
- Features **maintenance-free slide bearings**
- Provides an opening angle of up to **180°**
- **CE, IFT and UKCA certified**

Product Benefits

- **Designed for recessed frames up to 12mm, providing a dedicated concealed hinge solution for offset frame constructions**
- **3D adjustment enables precise side, height and compression correction for accurate door alignment after installation**
- **Completely concealed construction maintains clean, uninterrupted door and frame lines when the door is closed**
- **60kg load capacity** provides dependable support for appropriately specified unrebated residential doors
- **Maintenance-free slide bearings** minimise routine hinge maintenance requirements
- The **sideways-closed hinge body** provides a neat mortise appearance for high-quality architectural installations
- **180° opening capability** provides a wide operating range where permitted by the surrounding door and frame construction
- **CE, IFT and UKCA certifications** provide documented third-party and regulatory conformity for the hinge system

Technical Characteristics

- **Product Type:** 3D Adjustable Concealed Hinge for Recessed Frames
- **Finish:** Satin Nickel
- **Load Capacity:** 60kg
- **Maximum Recessed Frame Offset:** 12mm
- **Overall Length:** 125mm
- **Door Part Width:** 36mm
- **Frame Part Width:** 24mm
- **Minimum Door Thickness:** 44mm
- **Side Adjustment:** +/-3mm

- **Height Adjustment:** +/-3mm
- **Compression Adjustment:** +/-1mm
- **Opening Angle:** 180°
- **Cutter Diameter:** 24mm
- **Collar Ring Diameter:** 30mm
- **Bearing System:** Maintenance-Free Slide Bearings
- **Frame Compatibility:** Block & Steel Frames
- **Door Type:** Unrealted Residential Doors
- **Certifications / Quality Marks:** CE, IFT & UKCA
- **Classification:** EN 1935 / EAD – 2 7 3 1*11 –*2 0 10

Applications

The **TECTUS 3D Adjustable Concealed Hinge for Recessed Frames** is specifically designed for **unrealted residential doors with recessed frames** requiring an offset of up to **12mm**. Suitable for **block and steel frames** and doors with a minimum thickness of **44mm**, it combines a **60kg load capacity** with precise 3D adjustment and completely concealed installation. It is particularly suited to high-quality residential and architectural door projects where **recessed frame construction, precise alignment and clean concealed detailing** are required.

Property	Value
Finish	Satin Nickel
Opening angle (°)	180
Load Capacity (kg)	60
Width Door Part (mm)	36
Width Frame Part (mm)	24
Cutter diameter (mm)	24
Collar ring diameter (mm)	30
Min Door Thickness (mm)	44
Overall Length (mm)	125
Certification	CE, IFT & UKCA