SWS HARDWARE

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TECTUS 3D Adjustable Concealed Hinge 125 x 36mm 60KG 12mm Offset 44mm Door - SW124 F1 Satine Chrome Look

Variant code: TE311.3D.FVZ.F1

The **TECTUS 3D Adjustable Concealed Hinge for Recessed Frames** is a completely concealed hinge system specifically designed for **unrebated residential doors with recessed frames**. With an **overall length of 125mm**, a **minimum door thickness of 44mm** and a **load capacity of up to 60kg**, it provides a discreet and practical solution for contemporary architectural door installations.

Designed for **recessed frames up to 12mm**, the hinge is suitable for installation with **block and steel frames**. Comfortable **3D adjustment** enables accurate door positioning, providing **side adjustment of +/- 3.0mm, height adjustment of +/- 3.0mm and compression adjustment of +/- 1.0mm**. This allows the door to be precisely aligned after installation.

The hinge incorporates **maintenance-free slide bearings** for dependable operation and features a **sideways closed hinge body** for an aesthetically pleasing and homogeneous mortise appearance. It provides an **opening angle of up to 180°** and carries **CE, IFT and UKCA certification**, providing documented quality credentials for professional door specifications.

Product Features

- **Completely concealed hinge system**
- **125mm overall length**
- **Load capacity up to 60kg**
- Designed for **unrebated residential doors with recessed frames**
- Suitable for **recessed frames up to 12mm**
- Suitable for **block and steel frames**
- **Minimum door thickness of 44mm**
- Provides comfortable **3D adjustment**
- **Side adjustment:** +/- 3.0mm
- **Height adjustment:** +/- 3.0mm
- **Compression adjustment:** +/- 1.0mm

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- Features **maintenance-free slide bearings**
- **Sideways closed hinge body** for an aesthetically pleasing mortise appearance
- Provides an **opening angle up to 180°**
- **CE, IFT and UKCA certified**

Product Benefits

- **Specially designed for recessed frames up to 12mm, providing a concealed hinge solution for distinctive architectural door designs**
- **3D adjustment enables precise side, height and compression alignment after installation**
- **Up to 60kg load capacity provides dependable support for suitable unrebated residential doors**
- **Completely concealed installation** creates a clean and minimalist appearance when the door is closed
- **Maintenance-free slide bearings** help minimise ongoing servicing requirements
- **Sideways closed hinge body** creates a neat and homogeneous mortise appearance
- **180° opening angle** provides excellent opening capability where the installation permits
- Suitable for **block and steel frames** for professional recessed-frame applications
- **CE, IFT and UKCA certification** provides documented product quality credentials

Technical Characteristics

- **Product Type:** 3D Adjustable Concealed Hinge for Recessed Frames
- **Overall Length:** 125mm
- **Door Part Width:** 36mm
- **Frame Part Width:** 24mm
- **Load Capacity:** Up to 60kg
- **Maximum Frame Recess:** 12mm
- **Minimum Door Thickness:** 44mm
- **Door Type:** Unrebated Residential Doors
- **Frame Compatibility:** Block & Steel Frames
- **Side Adjustment:** +/- 3.0mm
- **Height Adjustment:** +/- 3.0mm
- **Compression Adjustment:** +/- 1.0mm
- **Bearing Type:** Maintenance-Free Slide Bearings
- **Cutter Diameter:** 24mm
- **Collar Ring Diameter:** 30mm

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- **Opening Angle:** 180°
- **Function Range:** Standard Residential Door Application
- **Certification:** CE, IFT & UKCA
- **Classification Standard:** EN 1935 / EAD
- **Classification Code:** 2 7 3 1* 1 1 — * 0 10

Applications

The **TECTUS 3D Adjustable Concealed Hinge for Recessed Frames** is designed for **unrebated residential doors** installed with compatible **block or steel recessed frames**. Supporting frame recesses of up to **12mm** and doors with a minimum thickness of **44mm**, it is particularly suitable for contemporary architectural interiors where the door and frame arrangement requires a recessed appearance. Its combination of a **completely concealed design, 3D adjustment, maintenance-free slide bearings, 180° opening angle and up to 60kg load capacity** provides a versatile solution for precision residential door installations.

Property	Value
Finish	Satine Chrome Look
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