SWS HARDWARE

Tel: 01626 333900
Email: info@swshardware.com



TECTUS 3D Adjustable Hinge 155 x 21mm 60KG - SW176 Bronze Finish Dark

Variant code: TE240.3D.SW176

The **TECTUS 3D Adjustable Concealed Hinge** is a premium, completely concealed hinge system designed for **unrebated and rebated flush residential doors**. With an **overall length of 155mm**, a **21mm frame-part width** and a **load capacity of up to 60kg**, it provides a clean, minimalist hinge solution for high-quality residential door installations.

Suitable for **timber, steel or aluminium frames**, the hinge offers convenient **three-dimensional adjustment** for accurate door alignment after installation. Adjustment includes **side +/- 3.0mm, height +/- 3.0mm and compression +/- 1.0mm**, while the **maintenance-free slide bearings** support smooth and dependable everyday operation.

A **sideways closed hinge body** creates a homogeneous and aesthetically pleasing mortise appearance, complementing the completely concealed installation. The hinge also carries **CE, IFT and UKCA certification** and is classified according to **EN 1935 / EAD**, providing documented performance credentials for professional door specifications.

Product Features

- **Completely concealed hinge system**
- **155mm overall length**
- **21mm frame-part width**
- **Load capacity up to 60kg**
- Suitable for **unrebated and rebated flush residential doors**
- Suitable for **timber, steel or aluminium frames**
- Provides comfortable **3D adjustment**
- **Side adjustment:** +/- 3.0mm
- **Height adjustment:** +/- 3.0mm
- **Compression adjustment:** +/- 1.0mm
- Features **maintenance-free slide bearings**
- **Sideways closed hinge body** for an aesthetically pleasing mortise

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appearance
- Provides an **opening angle up to 180°**
- **CE, IFT and UKCA certified**

Product Benefits

- **Completely concealed installation creates a clean, minimalist appearance when the door is closed**
- **3D adjustment enables accurate side, height and compression alignment after installation**
- **Up to 60kg load capacity provides dependable support for suitable residential flush doors**
- Compatible with **timber, steel and aluminium frames** for greater installation versatility
- **Maintenance-free slide bearings** help minimise ongoing maintenance requirements
- Suitable for both **unrebated and rebated flush residential doors**
- **Sideways closed hinge body** creates a neat and homogeneous appearance within the mortise
- **180° opening angle** provides excellent door opening capability where the installation allows
- **CE, IFT and UKCA certification** provides recognised product quality and performance credentials

Technical Characteristics

- **Product Type:** 3D Adjustable Concealed Hinge
- **Overall Length:** 155mm
- **Frame-Part Width:** 21mm
- **Door-Part Width:** 18mm
- **Load Capacity:** Up to 60kg
- **Door Type:** Unrebated & Rebated Flush Residential Doors
- **Frame Compatibility:** Timber, Steel & Aluminium
- **Side Adjustment:** +/- 3.0mm
- **Height Adjustment:** +/- 3.0mm
- **Compression Adjustment:** +/- 1.0mm
- **Bearing Type:** Maintenance-Free Slide Bearings
- **Minimum Door Thickness:** 24mm
- **Cutter Diameter:** 16mm
- **Collar Ring Diameter:** 30mm
- **Opening Angle:** 180°
- **Certification:** CE, IFT & UKCA
- **Classification Standard:** EN 1935 / EAD

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- **Classification Code:** 3 7 3 1* 1 — 0 10
- **Load Capacity Basis:** 2 Hinges Per 2000 x 1000mm Door Leaf

Applications

The **TECTUS 3D Adjustable Concealed Hinge** is designed for **unrebated and rebated flush residential doors** fitted into compatible **timber, steel or aluminium frames**. Its combination of **completely concealed installation, precise 3D adjustment, maintenance-free slide bearings, 180° opening angle and up to 60kg load capacity** makes it particularly suitable for high-quality residential interiors where **precise alignment, smooth operation and a minimalist appearance** are required.

Property	Value
Finish	Bronze Finish Dark
Opening angle (°)	180
Load Capacity (kg)	60
Width Door Part (mm)	18
Width Frame Part (mm)	21
Cutter diameter (mm)	16
Collar ring diameter (mm)	30
Min Door Thickness (mm)	24
Overall Length (mm)	155
Certification	CE, IFT & UKCA