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TECTUS 2D Adjustable Concealed Hinge 8-10mm Glass 160mm 80KG - SW107 Matt Black

Variant code: TEG310.2D.80.SW107

The **TECTUS 2D Adjustable Concealed Hinge** is a specialist hinge system designed for **flush ESG glass doors with a thickness of 8-10mm**. Combining concealed architectural styling with an **80kg load capacity**, it provides a clean and high-performance solution for contemporary interior glass door installations.

Designed for use with **timber, steel and aluminium frames**, the hinge provides continuous **side and height adjustment** to assist with accurate glass door alignment. Side adjustment of **+3/-2mm** is complemented by continuous height adjustment with an additional **±1mm fine adjustment**, allowing precise positioning during installation.

The hinge measures **160mm in overall length** with a **28mm frame part width** and provides an opening angle of up to **180°**. Installation requires **no drilling of the glass door leaf**, while **maintenance-free slide bearings** support dependable everyday operation. Available in **various architectural finishes**, it can be coordinated with different interior schemes, including the contemporary **RAL 9005 Matt Black** finish.

Product Features

- **Concealed hinge system for flush glass doors**
- Designed specifically for **8-10mm ESG glass**
- Manufacturer-specified **80kg load capacity**
- Load capacity based on **two hinges per 1 x 2m door leaf**
- Suitable for **timber, steel and aluminium frames**
- Overall length of **160mm**
- **28mm frame part width**
- **Continuous side adjustment of +3/-2mm**

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- Continuous height adjustment with additional **±1mm fine adjustment**
- Installation requires **no drilling of the glass door leaf**
- Features **maintenance-free slide bearings**
- Suitable for rebate widths of **11-15mm**
- Opening angle of up to **180°**
- Tested for interior rooms with ambient temperatures up to **50°C**
- Suitable for **right- and left-hand doors**
- Available in **various architectural finishes**

Product Benefits

- **Dedicated 8-10mm ESG glass compatibility provides a purpose-designed hinge solution for contemporary flush glass doors**
- **80kg load capacity provides substantial support for appropriately specified interior glass door installations**
- **Adjustable side and height positioning enables accurate door alignment during installation**
- Installation **without drilling the glass door leaf** avoids the need for hinge fixing holes through the glass
- **Maintenance-free slide bearings** help minimise routine hinge maintenance requirements
- Compatibility with **timber, steel and aluminium frames** provides flexibility across different architectural door constructions
- **180° opening capability** provides a wide opening range where permitted by the surrounding installation
- A choice of **architectural finishes** allows the hinge to coordinate with different glass door and interior hardware schemes

Technical Characteristics

- **Product Type:** 2D Adjustable Concealed Glass Door Hinge
- **Door Type:** Flush Glass Doors
- **Glass Type:** ESG Glass
- **Glass Thickness:** 8-10mm
- **Load Capacity:** 80kg
- **Load Capacity Basis:** Two Hinges per 1 x 2m Door Leaf
- **Overall Length:** 160mm

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- **Frame Part Width:** 28mm
- **Side Adjustment:** +3/-2mm
- **Height Adjustment:** Continuous with Additional ±1mm Fine Adjustment
- **Opening Angle:** 180°
- **Rebate Width:** 11-15mm
- **Cutter Diameter:** 24mm
- **Collar Ring Diameter:** 30mm
- **Bearing System:** Maintenance-Free Slide Bearings
- **Frame Compatibility:** Timber, Steel & Aluminium
- **Door Leaf Drilling:** Not Required
- **Maximum Tested Interior Ambient Temperature:** 50°C
- **Handing:** Right & Left Hand
- **Finish:** Available in Various Finishes

Applications

The **TECTUS 2D Adjustable Concealed Hinge** is designed for **flush interior glass doors manufactured from 8-10mm ESG glass**. With an **80kg load capacity** and compatibility with **timber, steel and aluminium frames**, it is particularly suitable for contemporary residential, commercial and architectural interiors requiring clean glass door detailing. Its adjustable side and height positioning, **maintenance-free slide bearings** and installation without drilling the glass door leaf provide a purpose-designed solution for accurately installed flush glass door systems.

Property	Value
Finish	Matt Black
Opening angle (°)	180
Load Capacity (kg)	80
Width Frame Part (mm)	28
Cutter diameter (mm)	24
Collar ring diameter (mm)	30
Min Door Thickness (mm)	8
Overall Length (mm)	160
Glass Thickness (mm)	8-10mm