



ANSELMi 3D Concealed Hinge – 110 x 24mm – 60Kg – Satin Chrome

Variant code: AN.160.3D.SC

The **ANSELMi 3D Adjustable Concealed Hinge** is a compact, completely concealed hinge system designed for **unrebated residential doors**. Measuring **110 x 24mm** and providing a **load capacity of up to 60kg**, it offers a discreet and practical solution for contemporary residential door installations where a clean, minimalist appearance is required.

Suitable for use with **timber and aluminium frames**, the hinge provides convenient **3D adjustment** for accurate door positioning after installation. Adjustment includes **side +/- 1.5mm**, **height +/- 2.5mm** and **compression +/- 1.0mm**, allowing precise alignment while maintaining the appearance of a completely concealed hinge system.

Manufactured from **Zamak**, the hinge combines compact dimensions with reliable performance and provides an **opening angle of up to 180°**. It carries **CE, IFT and UL certification** and is classified according to **EN 1935 / EAD**. The stated **60kg load capacity** is based on the use of **2 hinges per 900 x 2100mm door leaf**.

Product Features

- **Completely concealed hinge system**
 - **110 x 24mm** hinge dimensions
 - **Load capacity up to 60kg**
 - Designed for **unrebated residential doors**
 - Suitable for **timber and aluminium frames**
 - Provides convenient **3D adjustment**
 - **Side adjustment:** +/- 1.5mm
 - **Height adjustment:** +/- 2.5mm
 - **Compression adjustment:** +/- 1.0mm
 - Manufactured from **Zamak**
 - Provides an **opening angle up to 180°**
 - **CE certified**
 - **IFT certified**
 - **UL certified**
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Product Benefits

- **Completely concealed installation** creates a clean and minimalist appearance when the door is closed
- **3D adjustment** enables precise side, height and compression alignment after installation
- **Up to 60kg load capacity** provides dependable support for suitable residential doors
- Compatible with **timber and aluminium frames** for greater installation versatility
- Designed specifically for **unrebated residential doors**
- **180° opening angle** provides excellent door opening capability where the installation permits
- **CE, IFT and UL certification** provides documented product performance credentials

Technical Characteristics

- **Product Type:** 3D Adjustable Concealed Hinge
- **Material:** Zamak
- **Overall Length:** 110mm
- **Door Part Width:** 24mm
- **Frame Part Width:** 24mm
- **Load Capacity:** Up to 60kg
- **Door Type:** Unrebated Residential Doors
- **Frame Compatibility:** Timber & Aluminium
- **Side Adjustment:** +/- 1.5mm
- **Height Adjustment:** +/- 2.5mm
- **Compression Adjustment:** +/- 1.0mm
- **Minimum Door Thickness:** 32mm
- **Cutter Diameter:** 16mm
- **Collar Ring Diameter:** 27mm
- **Opening Angle:** 180°
- **Certification:** CE, IFT & UL
- **Classification Standard:** EN 1935 / EAD
- **Classification Code:** 2 7 3 1* 11 — * 0 10
- **Load Capacity Basis:** 2 Hinges Per 900 x 2100mm Door Leaf

Applications

The **ANSEMI 3D Adjustable Concealed Hinge** is designed for **unrebated residential doors** installed into compatible **timber or aluminium frames**. Its combination of a **completely concealed design, precise 3D adjustment, 180° opening angle and up to 60kg load capacity** makes it particularly suitable for contemporary

residential interiors where **accurate door alignment, discreet installation and a clean architectural appearance** are required.

Property	Value
Finish	Satin Chrome
Opening angle (°)	180
Load Capacity (kg)	60
Width Door Part (mm)	24
Width Frame Part (mm)	24
Cutter diameter (mm)	16
Collar ring diameter (mm)	27
Min Door Thickness (mm)	32
Overall Length (mm)	110
Certification	CE, IFT & UL