



ANSELMi 3D Concealed Hinge/Reduced Hinge Frame – 110 x 24mm – 60Kg – Black

Variant code: AN.170.3D.018

The **ANSELMi 3D Concealed Hinge with Reduced Hinge Frame** is a compact hinge system designed for **unrebated residential doors**. Measuring **110 x 24mm** and featuring a **21mm reduced hinge frame part**, it provides a completely concealed solution with a **load capacity of up to 60kg**, making it ideal for contemporary residential door installations.

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

Manufactured from **Zamak**, the hinge combines robust construction with compact dimensions and offers an **opening angle of up to 180°**. The stated **60kg load capacity** is based on the use of **2 hinges per 900 x 2100mm door leaf**, providing a clear performance reference when specifying the hinge for suitable residential doors.

Product Features

- **Completely concealed hinge system**
- **110 x 24mm** hinge dimensions
- **21mm reduced hinge frame part**
- **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°**

Product Benefits

- **Completely concealed installation** provides 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
- **21mm reduced hinge frame part** provides a compact solution where a reduced frame-side profile is required
- Compatible with **timber and aluminium frames** for greater installation versatility
- **180° opening angle** provides excellent door opening capability where the installation permits
- Designed specifically for **unrebated residential doors**

Technical Characteristics

- **Product Type:** 3D Adjustable Concealed Hinge
- **Material:** Zamak
- **Overall Length:** 110mm
- **Door Part Width:** 24mm
- **Frame Part Width:** 24mm
- **Reduced Hinge Frame Part:** 21mm
- **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:** 33mm
- **Cutter Diameter:** 16mm
- **Collar Ring Diameter:** 27mm
- **Opening Angle:** 180°
- **Load Capacity Basis:** 2 Hinges Per 900 x 2100mm Door Leaf

Applications

The **ANSELM I 3D Concealed Hinge with Reduced Hinge Frame** is designed for **unrebated residential doors** installed into compatible **timber or aluminium frames**. Its combination of a **completely concealed design, 21mm reduced hinge frame part, 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	Black
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)	33
Overall Length (mm)	110