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Stainless Steel Concealed 3D Adjustable Hinge - 160 x 29.5mm - Satin

Variant code: HGS3D-S160SH

Stainless Steel Concealed 3D Adjustable Hinge is a premium concealed hinge designed to provide precise door alignment, smooth operation and a clean, modern appearance. Measuring **160 x 29.5mm** and finished in **Satin Stainless Steel**, it is suitable for **residential doors, fire doors and commercial facility doors** where durability, adjustability and concealed aesthetics are essential.

Manufactured from **304 stainless steel**, the hinge offers excellent corrosion resistance, making it suitable for both interior and demanding environments. Its integrated **3-way adjustment system** enables precise **vertical, horizontal and depth** alignment after installation, allowing doors to be accurately positioned for optimal performance and consistent gaps.

The hinge can be **split into separate door and frame sections**, simplifying installation and making door fitting or removal quicker and more convenient. Once installed, the concealed design remains hidden when the door is closed, creating a seamless architectural finish while maintaining robust support and long-term reliability.

Product Features

- Concealed 3D adjustable hinge
- Manufactured from **304 stainless steel**
- Satin Stainless Steel finish
- **160 x 29.5mm** hinge size
- Three-way adjustment:
    - Vertical
    - Horizontal
    - Depth
- Concealed installation for a clean appearance
- Hinge separates into door and frame sections
- Excellent corrosion resistance
- Suitable for residential, fire and facility doors

Product Benefits

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- Allows precise door alignment after installation
- Concealed design enhances modern architectural aesthetics
- Corrosion-resistant stainless steel ensures long service life
- Simplifies installation and future door removal
- Maintains consistent door clearances
- Suitable for demanding residential and commercial applications

Technical Characteristics

- **Product Type:** Concealed 3D Adjustable Hinge
- **Brand:** Sugatsune
- **Material:** 304 Stainless Steel
- **Finish:** Satin Stainless Steel
- **Dimensions:** 160 x 29.5mm
- **Adjustment:** Vertical, Horizontal and Depth
- **Construction:** Split Door and Frame Sections
- **Installation:** Concealed Mortise Mount
- **Application:** Residential Doors, Fire Doors and Facility Doors

Applications

Stainless Steel Concealed 3D Adjustable Hinge is ideal for **residential properties, commercial buildings, offices, hotels, hospitals, schools and public facilities** requiring concealed, adjustable door hardware. Suitable for **timber fire doors, residential entrance doors and facility doors**, it provides precise adjustment, excellent corrosion resistance and a discreet, high-quality finish for modern architectural installations.

Property	Value
Finish	Plain
Width (mm)	75.3
Length (mm)	32
Load Capacity (kg)	80
Min Door Thickness (mm)	36
Height (mm)	160
Max Door Thickness (mm)	36

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Property	Value
Material	Stainless Steel
Max Door Width (mm)	900
Weight (g)	1010
Max Door Height (mm)	2400
Fasteners Type	Flat head tapping screw 5?40 (stainless steel)