SWS HARDWARE

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TECTUS TE626 3D A8 ENERGY Adjustable Hinge 240 x 32mm 300KG 8mm Cladding FD120 - Stainless Steel Look

Variant code: TE626.3D.A8.EGY.SSS

The **TECTUS 3D A8 Adjustable Concealed Stainless Steel Heavy-Duty Hinge** is a high-performance hinge solution designed for **unrebated heavy-duty doors with claddings up to 8mm on both sides**. Manufactured from **stainless steel** and offering an exceptional **load capacity of up to 300kg**, the hinge combines substantial load-bearing performance with a completely concealed architectural appearance.

Suitable for installation with **timber, steel or aluminium frames**, the hinge provides comfortable **3D adjustment** to assist with accurate door alignment. Adjustment includes **side +/- 3.0mm, height +/- 3.0mm and compression +/- 1.0mm**. Integrated **maintenance-free slide bearings** support smooth operation while helping to minimise ongoing maintenance requirements.

The **sideways closed hinge body** provides an aesthetically pleasing and homogeneous mortise appearance, while an **opening angle of up to 180°** offers extensive opening capability where the installation permits. The hinge carries **UL certification** and has a specified function range covering **Burglar Resistance, Fire Resistance, Smoke Resistance and Soundproof**.

Product Features

- **Completely concealed hinge system** for a discreet architectural finish
- Manufactured from **stainless steel**
- Designed for **unrebated high-performance heavy-duty doors**
- Suitable for doors with **claddings up to 8mm on both sides**
- Suitable for **timber, steel or aluminium frames**
- **240 x 32mm** overall hinge dimensions
- Exceptional **load capacity of up to 300kg**
- Comfortable **3D adjustment** for accurate

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door alignment
- **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 appearance
- Provides an **opening angle up to 180°**
- Features **UL certification**
- **Function Range:** Burglar Resistance, Fire Resistance, Smoke Resistance & Soundproof

Product Benefits

- **Exceptional 300kg load capacity provides substantial support for demanding high-performance heavy-duty doors**
- **Accommodates claddings up to 8mm on both sides, providing flexibility for sophisticated architectural door designs**
- **Completely concealed installation creates a clean, minimalist appearance when the door is closed**
- **Stainless steel construction** provides a robust solution for demanding door installations
- **3D adjustment** enables precise side, height and compression alignment after installation
- Compatible with **timber, steel and aluminium frames** for versatile specification
- **Maintenance-free slide bearings** support smooth operation while helping to minimise ongoing servicing requirements
- **Sideways closed hinge body** creates a neat and homogeneous mortise appearance
- **180° opening angle** provides extensive opening capability where the installation permits
- Specified function range covers **Burglar Resistance, Fire Resistance, Smoke Resistance and Soundproof** applications

Technical Characteristics

- **Product Type:** 3D A8 Adjustable Concealed Stainless Steel Heavy-Duty Hinge

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- **Material:** Stainless Steel
- **Overall Length:** 240mm
- **Door Part Width:** 32mm
- **Frame Part Width:** 32mm
- **Load Capacity:** Up to 300kg
- **Maximum Cladding Thickness:** Up to 8mm on Both Sides
- **Minimum Door Thickness:** 49mm Including Claddings
- **Door Type:** Unrebated High-Performance Heavy-Duty Doors
- **Frame Compatibility:** Timber, Steel & Aluminium
- **Side Adjustment:** +/- 3.0mm
- **Height Adjustment:** +/- 3.0mm
- **Compression Adjustment:** +/- 1.0mm
- **Bearing Type:** Maintenance-Free Slide Bearings
- **Cutter Diameter:** 24mm
- **Collar Ring Diameter:** 30mm
- **Opening Angle:** 180°
- **Certification / Quality Mark:** UL Certification
- **Function Range:** Burglar Resistance, Fire Resistance, Smoke Resistance & Soundproof
- **Load Capacity Basis:** 2 Hinges Per 2000 x 1000mm Door Leaf

Applications

The **TECTUS 3D A8 Adjustable Concealed Stainless Steel Heavy-Duty Hinge** is designed for demanding **unrebated high-performance heavy-duty doors with claddings up to 8mm on both sides**, installed into compatible **timber, steel or aluminium frames**. Its combination of an exceptional **300kg load capacity, stainless steel construction, completely concealed design, precise 3D adjustment and maintenance-free slide bearings** makes it suitable for substantial architectural and commercial door installations where **very high load-bearing performance, cladded door construction, accurate alignment and discreet hardware** are required. Its specified function range covers **Burglar Resistance, Fire Resistance, Smoke Resistance and Soundproof** applications, with suitability for fire doors dependent on the complete door construction.

Property	Value
Finish	Stainless Steel Look

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Property	Value
Opening angle (°)	180
Load Capacity (kg)	300
Width Door Part (mm)	32
Width Frame Part (mm)	32
Cutter diameter (mm)	24
Collar ring diameter (mm)	30
Min Door Thickness (mm)	49
Overall Length (mm)	240
Certification	CE, IFT & UKCA