

IISDCO®

3D CONCEALED HYDRAULIC HINGE



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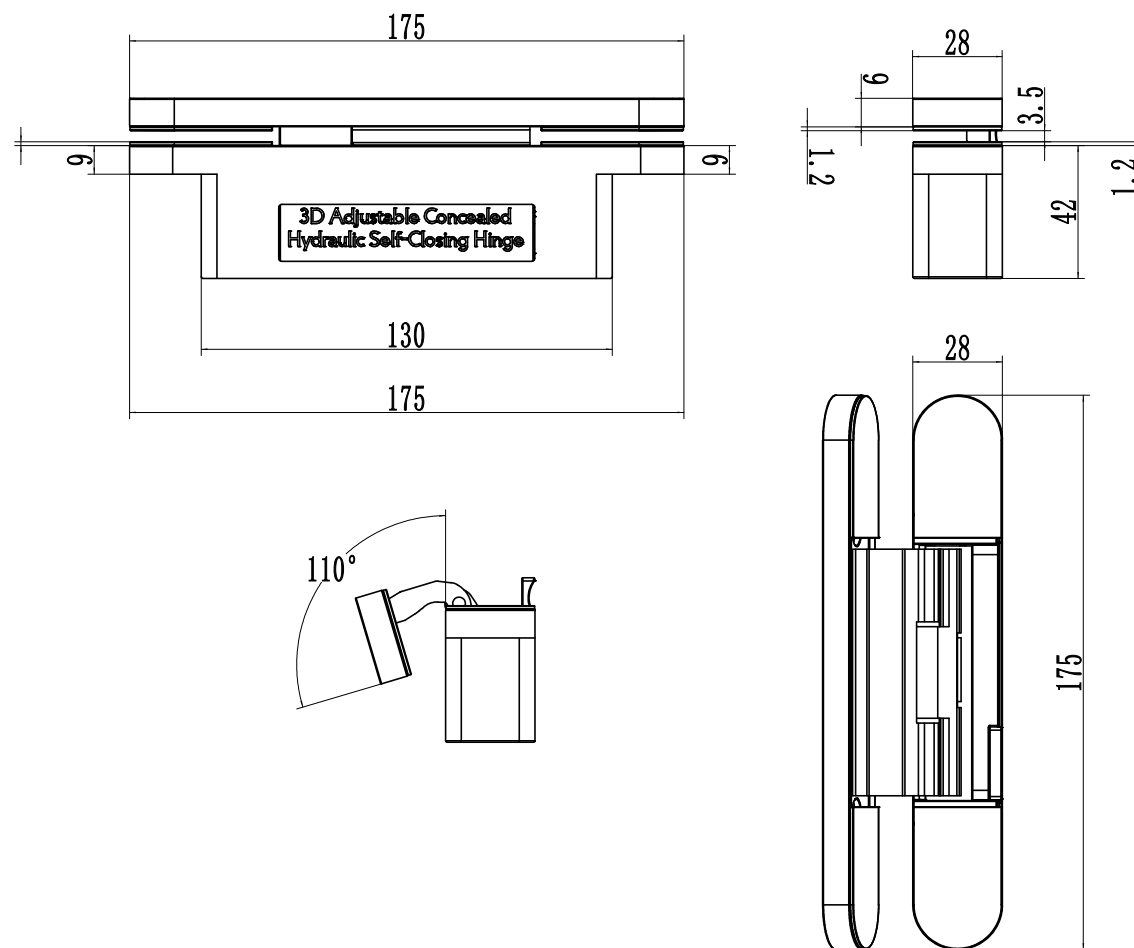


The image is a composite. The left side features a vibrant space scene with a blue and green nebula, a dark planet's horizon, and an astronaut in a white suit floating in the void. The right side is a plain white background. A hand from the right side holds a black, L-shaped hinge component, which is the product being advertised. The hinge has a smooth, matte finish and a simple, functional design.

Concealed Hinges

MEET THE INFINITE POSSIBILITIES

IISDCO[®]



AD6005

3D Concealed Hydraulic Hinge



Matt White



Brushed Gold



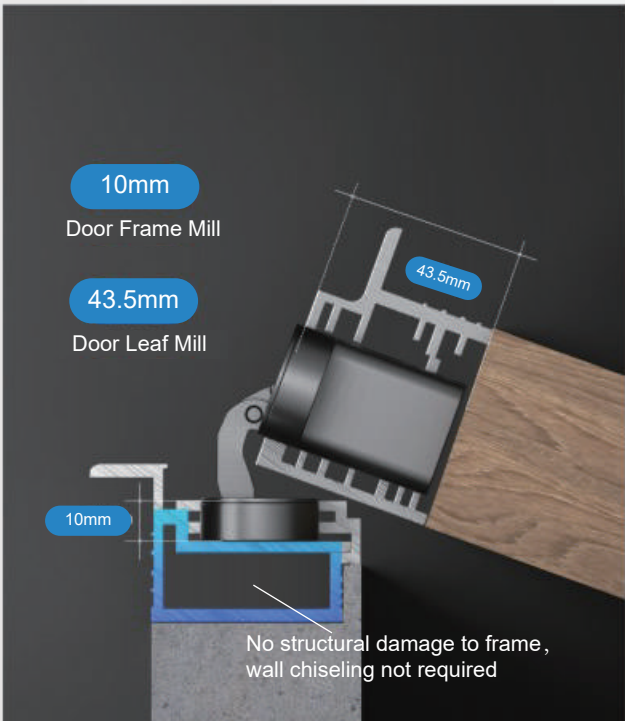
Matt Black



Satin Black Nickel

Item	Technical Parameters
Model	AD6005
Material	Zinc alloy & Aluminum
Suitable Door Thickness	35-60mm
Handing Universal	Left & Right Universal
Installation Type	Mill Installation
3D Adjustment	Vertical: $\pm 2\text{mm}$ / Depth: $\pm 1\text{mm}$ / Horizontal: $\pm 3\text{mm}$
Applicable Door Types	doors with rebate, Aluminum Frame Doors, Wooden Doors
Features	1. 28mm ultra-narrow $\times$ 10mm super-slim profile 2. For 45mm doors with rebate, a 4mm door edge margin can be maintained 3. Shallow door frame mortising prevents damage to internal aluminum frame structure, ensuring stronger door frame integrity 4. Fully concealed design; seamless integration via Mill installation 5. Hydraulic buffering with integrated damping mechanism 6. 3D adjustable for precise and effortless alignment 7. Adjustable damping rate for full control over closing speed 8. 110° opening angle with automatic, silent self-closing 9. Exceptional load-bearing capacity: 2 hinges support up to 70KG

For 45mm doors with rebate,
a 4mm margin from the door edge can be maintained.

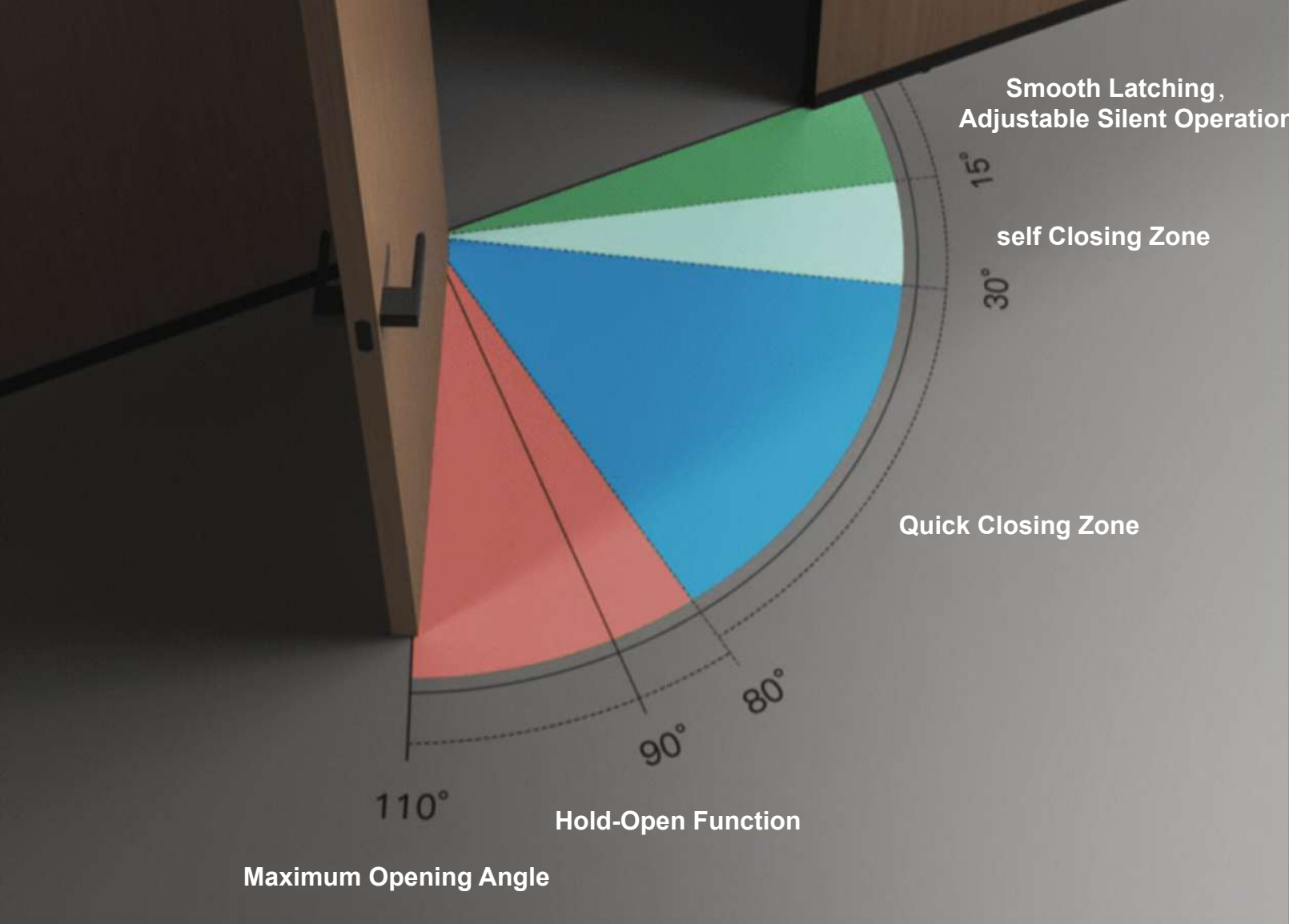


**Compatible with
aluminum frame doors**

Door Frame Mill:10.5mm
Door Leaf Mill:43.5mm

No structural damage to frame, wall chiseling not required
Compatible with aluminum frame doors
Single-side Mill depth:10.5mm

Fully Concealed Design
Seamless Mill Installation



Fully Concealed Hinge System

Making things invisible is also design! There is a certain appeal in designing a project in such a way that its actual value is initially in the background, thus making room for other elements. Flush mounting is a stylistic principle that exudes minimalism and involves precise technique and perfection.

In this way, the completely concealed hinge system makes the door perfectly flush with the wall, with an invisible hinge system that allows an opening angle of 180°, and can be used for timber doors, steel and aluminium framed door sets.

Door Frame Mill Width
28.5mm

Door Leaf Mill Width
28.5mm

Backset
4mm

Door Leaf Mill Length
175mm

Door Frame Mill Depth
10.5mm

Door Leaf Mill Depth
10.5mm

Door Leaf Mill Depth
43.5mm

Broad Door Type Adaptability

Designed to fit virtually any door type, seamlessly integrating with 99% of wooden doors available for unparalleled versatility.

▶ wooden door

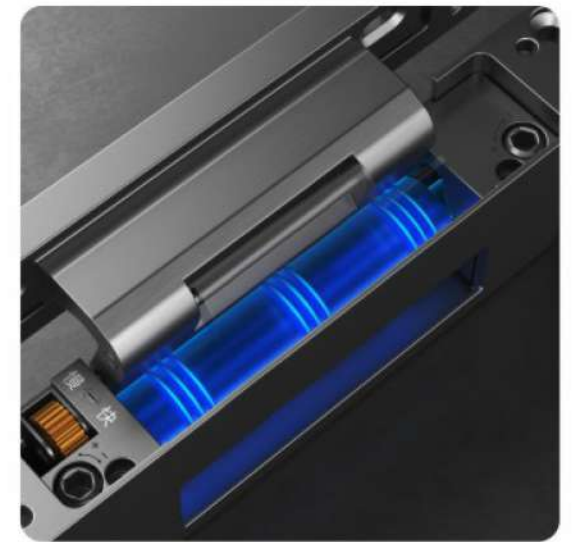


▶ doors with rebate



Hydraulic Buffering with Integrated Damping

Automatically buffers and closes doors with silent operation.



Adjustable Damping Speed

Full Control Over Closing Speed
Simply turn the knob to adjust after installation is complete.

3D Adjustment | Precise and Effortless

Three-way adjustability (vertical, horizontal, depth)
No need to remove the door leaf for adjustments



AM6005

3D Concealed Hydraulic Hinge



No Milling Required on Door Frame
Preserves Structural Integrity of Frame

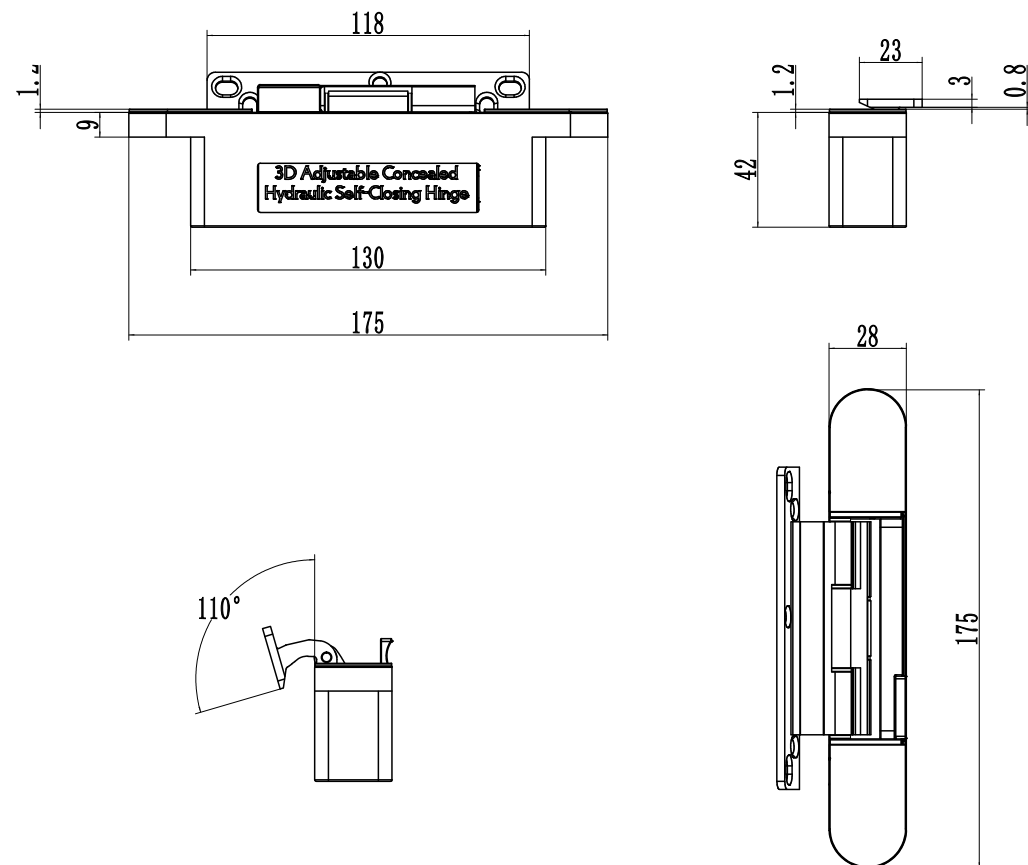


3D Adjustment
Effortless and Efficient Installation



Hydraulic Valve Adjustment
Full Control Over Buffering Speed

IISDCO®



AM6005

3D Concealed Hydraulic Hinge



Matt Black



Satin Black Nickel

Item	Technical Parameters
Model	AM6005
Material	Zinc alloy & Aluminum
Suitable Door Thickness	35-60mm
Handing Universal	Left & Right Universal
Installation Type	Mill-Free Installation
3D Adjustment	Vertical: $\pm 2\text{mm}$ / Depth: $\pm 1\text{mm}$ / Horizontal: $\pm 3\text{mm}$
Applicable Door Types	doors with rebate, Aluminum Frame Doors, Wooden Doors
Features	28mm ultra-narrow $\times$ 10mm super-slim profile - For 45mm doors with rebate, a 4mm door edge margin can be maintained - The mill-free door frame design avoids compromising the internal structure of the aluminum profile, resulting in enhanced overall strength - Fully concealed design; seamless integration via Mill installation - Hydraulic buffering with integrated damping mechanism 3D adjustable for precise and effortless alignment - Adjustable damping rate for full control over closing speed 110° opening angle with automatic, silent self-closing - Exceptional load-bearing capacity: 2 hinges support up to 70KG

Heavy-Duty Hinge

Non-Hydraulic Heavy-Duty Hinge
Installed at the top of the door
Bears the majority of the door's weight
Ensures the proper operation of
the hydraulic hinges below

Hydraulic Hinge

Features a built-in smooth
self-closing hydraulic mechanism
Equipped with a built-in 90° hold-open function
When two hydraulic hinges are used together
Maximum load capacity: 80kg



Functional Conversions

Adjustable closing speed (factory default setting)
Smooth silent mode / self latching mode (available upon request)



Silent Mode
(Adjustability)

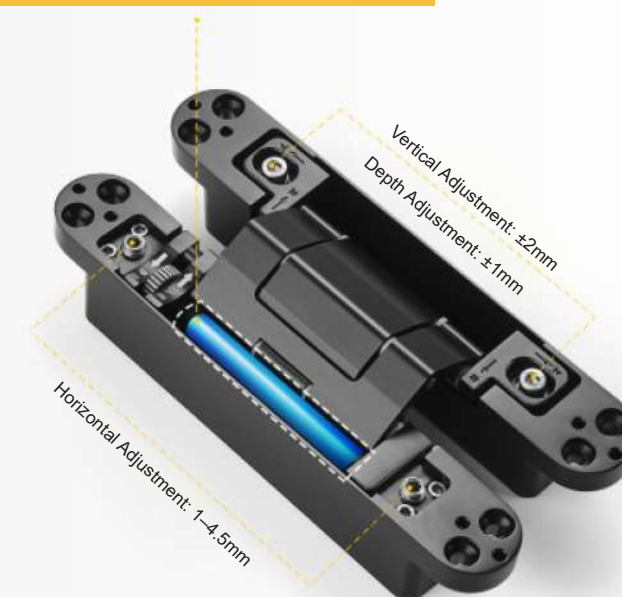


Positioning Clip

Installation Aid Clip

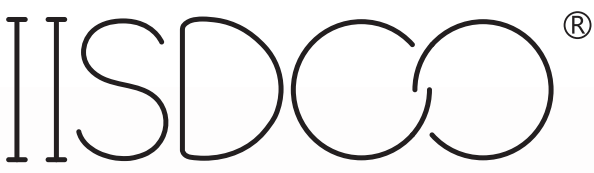
Prevents accidental hinge closure during installation.
The clip must not be removed until installation is complete.
After installation, remove this clip first before closing the door.
Failure to remove it may damage both the door and the hydraulic hinge.

Built-in Concealed Hydraulic Damping



3D Adjustable

Built-in Concealed Hydraulic Damping
More Flexible • More Precise • Easier Installation



3D Concealed Hydraulic Hinge



Other Domestic Models



Common models in the market



3D Adjustment
Closing Speed Adjustable (Default)
Silent Mode/Latch Mode Adjustable (Customizable)
Tool-Free Adjustment
Shallow Mill
No Hydraulic Tail Rod
80°-110° Hold-Open

2D Adjustment
Tool Adjustment Required
Shallow Mill
No Hydraulic Tail Rod
90° Hold-Open

Other Imported Models
2D Adjustment
Tool Adjustment Required
Deep Mill
No Hydraulic Tail Rod
No Hold-Open Function

GIVE
YOU
BETTER

