Cladding Hinge: Heavy Duty & Stainless Steel

3D adjustable concealed hinge for cladding up to 16mm on panels up to 300kg

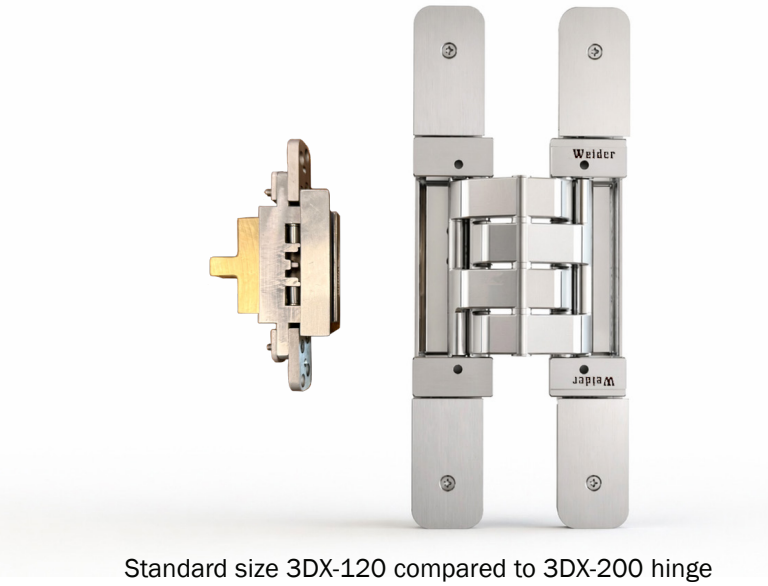
FUNCTIONAL FENESTRATION INC.

The WEIDER 3DX Adjustable Concealed Hinge is a precision-engineered solution for residential and commercial applications. It features three-dimensional adjustability and maintenance-free bearings for long-lasting, smooth performance.

Designed for clad doors and frames up to 16mm, the 3DX hinge incorporates WEIDER's patented zero drop-out mechanism, ensuring exceptional reliability and refined craftsmanship.

Now the most robust and heavy-duty cladding hinge on the market!

3DX-300 hinge with included screw covers



Standard size 3DX-120 compared to 3DX-200 hinge

Features & Specifications

- 3D Concealed Hinge suitable for Timber or Metal Door flush doors applications
- Non-magnetic solid stainless Steel 304 for high corrosion resistance
- Finger protection with small gap between door and frame
- Version 300 weight capacity up to 300kg (661 lbs) per 2 hinges
- Version 200 weight capacity up to 200kg (440 lbs) per 2 hinges
- If using 3 hinges, 350kg may be achieved but without EN and ASTM assurance
- Suitable for cladding 4-12mm, and up to 16mm with chamfered edge
- Maintenance-free bearings
- Non-handing design
- Anti Drop-out Patented mechanism
- 3-dimensional adjustability
  (side +/- 3.0 mm (0.118"), height +/- 3.0 mm (0.118"),
  compression +/- 3.0 mm (0.118")
- Meets Fire Rated requirements BS EN 1634
- Meets requirement of BS EN1935; 200,000 cycles

Applications

Fire Resistant, Cladded Doors, Smoke Resistant, Soundproof, Forced Entry Resistant, High Corrosion Resistant

Finishes

Satin stainless steel (SST), Matte Black (MBLK)
Customised finishes upon request, Titanium finishes, antimicrobial finishes & other coated finishes

Part #	Door Capacity	Max Cladding	Material	Finish
3DX-200-0F-SST	200kg	9mm	304 SST	Satin US32D
3DX-200-0F-BLK	200kg	9mm	304 SST	Black Black US19
3DX-300-0F-SST	300kg	16mm	304 SST	Satin US32D
3DX-300-0F-BLK	300kg	16mm	304 SST	Black Black US19

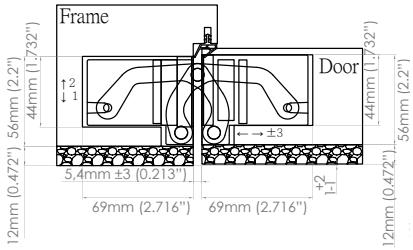
Manufacturer Guarantee

WEIDER 2DX & 3DX Series are guaranteed for up to 200,000 cycles or 1 year from date of manufacture against defects in material or workmanship. Defective products will be replaced; but no claims for damage incurred or work done thereon are allowed. This guarantee is void if the product was subjected to misapplication or abuse.

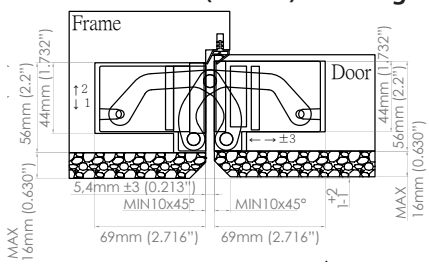
Technical Data - 300kg version	
Load Capacity	300kg (661 lbs.)
Opening Angle	260mm (10.236”)
Cladding Thickness	12mm (0.472”)
Width (door)	44mm (1.732”)
Width (frame)	44mm (1.732”)
Router bit	Ø8mm (5/16”)

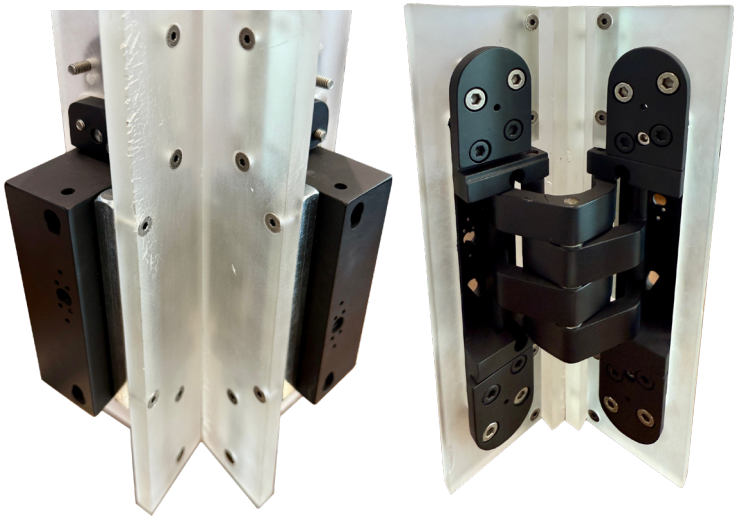
International Patent Registered

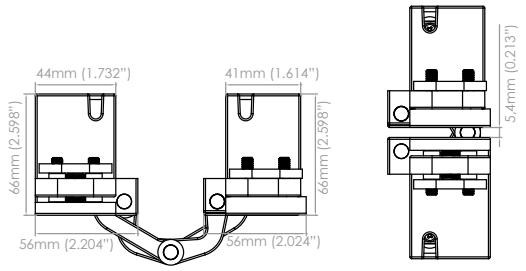
Up to12mm (0.472”) cladding

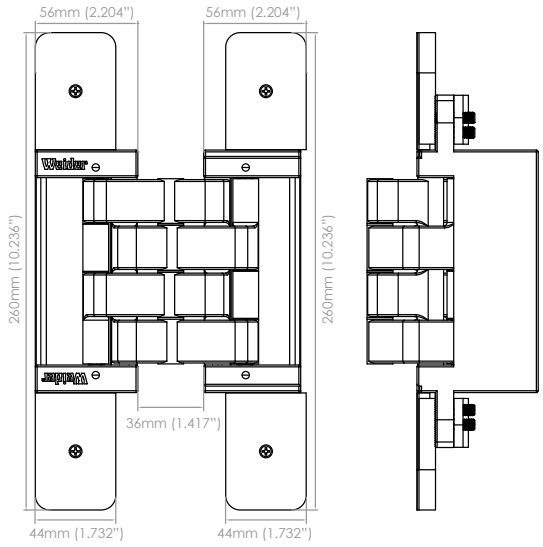


Max. 16mm (0.630”) cladding









30 finish and coating options available. Contact FFI for details.

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