Premium Adjustable Concealed Hinges For Wood and Metal Doors

FUNCTIONAL FENESTRATION INC.

In high grade stainless steel, and UL for commercial projects, because your project deserves the best.

3DX-160-SST-UL

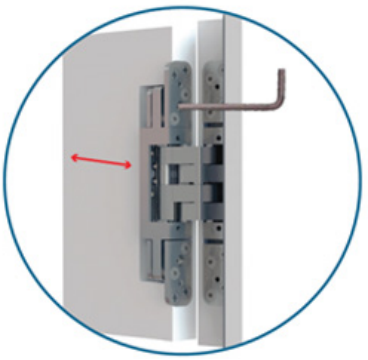
3DX-160-BLK-UL

Characteristics - Concealed Hinges

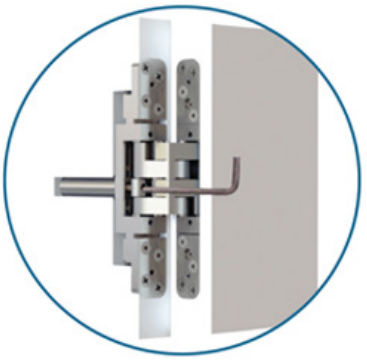
- Material: 304 grade Stainless Steel (standard for these hinges while a special order upgrade for other brands)
- UL listed hinges for commercial projects; fire-rated to 3 hours, with certificates for US and Canada
- For flush and rabbeted flush doors
- Two versions: For doors up to 120kg (264 lbs) and 160kg (352 lbs)
- For wood, steel, and aluminum doors and frames
- 3D adjustments for height, compression (to frame), and side (to plumb the door)
- Soft-close hinge with hydraulic function and constant rate of speed in closing (adjustable closing range of 3-5 seconds).
- Hold-Open & Self-Closing functions can be used on the same door!
- Hold open hinge also functions as a stop (i.e. after opening degree is set, it won't open past that point)
- Hold open range: 75-180 degrees
- Jigs and templates available
- Compatible with standard 1¾" door thickness
- Wood doors: 1.26" (32mm) min thickness. Metal doors: 1.10" (28mm) min thickness.
- Custom colors cover the surfaces visible after installation
- Screw cover plates included

Advantages

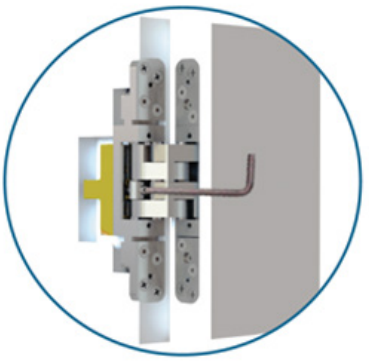
- Premium quality, precision & durability
- Sound-insulating hinges
- Investment cast manufacturing with sustainable methods
- Anti-twist and anti-pull construction prevents sagging and twisting during adjustments
- Self-closing hinge option eliminates need for surface-mount door closer (less hardware and cleaner look)
- How do stainless steel hinges save on project cost? With higher quality hinges, less hinges per door are possible, and less repair & replacement occurs from sagging, bending, and warping doors
- Finishes: Black & Stainless stocked-in-USA; 28 by special order
- Warranty: 2 years commercial, 5 years residential



Adjustable with Allen key



Self-closing actuator with speed adjustment



Hold-open with angle adjustment

Custom colors cover the visible surfaces.

Premium Adjustable Concealed Hinges

Free Swing Hinges, UL with 3-hour fire rating		
Part #	**Door Capacity**	**Finish**
3DX-120-SST-UL	120kg	Satin US32D
3DX-120-BLK-UL	120kg	Matte Black US19
3DX-160-SST-UL	160kg	Satin US32D
3DX-160-BLK-UL	160kg	Matte Black US19

Hold-Open Hinges		
Part #	**Door Capacity**	**Finish**
3DX-120-HO-SST	120kg	Satin US32D
3DX-120-HO-BLK	120kg	Matte Black US19
3DX-160-HO-SST	160kg	Satin US32D
3DX-160-HO-BLK	160kg	Matte Black US19

Self-Closing Hinges		
Part #	**Door Capacity**	**Finish**
3DX-120-SC60-SST	60kg	Satin US32D
3DX-120-SC60-BLK	60kg	Matte Black US19
3DX-120-SC80-SST	80kg	Satin US32D
3DX-120-SC80-BLK	80kg	Matte Black US19
3DX-120-SC120-SST	120kg	Satin US32D
3DX-120-SC120-BLK	120kg	Matte Black US19
3DX-160-SC80-SST	80kg	Satin US32D
3DX-160-SC80-BLK	80kg	Matte Black US19
3DX-160-SC120-SST	120kg	Satin US32D
3DX-160-SC120-BLK	120kg	Matte Black US19
3DX-160-SC160-SST	160kg	Satin US32D
3DX-160-SC160-BLK	160kg	Matte Black US19

Self-Closing Weight Capacities	
SC60	Suitable for door weight 22lbs to 132lbs
SC80	Suitable for door weight 133lbs to 176lbs
SC120	Suitable for door weight 177lbs to 264lbs
SC160	Suitable for door weight 265lbs to 352lbs

Standard Finishes

Satin Stainless Steel

Matte Black

Special Order Finishes

Dark Bronze			
Non-Directional	Pearl Silver	Polished Stainless Steel	
Non-Directional Titanium Black	Pearl Titanium Black	Polished Titanium Black	Satin Titanium Black
Non-Directional Titanium Bronze	Pearl Titanium Bronze	Polished Titanium Bronze	Satin Titanium Bronze
Non-Directional Titanium Champaign Gold	Pearl Titanium Champaign Gold	Polished Titanium Champaign Gold	Satin Titanium Champaign Gold
Non-Directional Titanium Gold	Pearl Titanium Gold	Polished Titanium Gold	Satin Titanium Gold
Non-Directional Titanium Huckleberry	Pearl Titanium Huckleberry	Polished Titanium Huckleberry	Satin Titanium Huckleberry
Non-Directional Titanium Rose Gold	Pearl Titanium Rose Gold	Polished Titanium Rose Gold	Satin Titanium Rose Gold

Finish Samples & Showroom Displays	
Part #	**Description**
WEID.SAMPLE.SET	Finish sample set for Weider hinges (30 colors)
3DX.120.B.DISPLAY	Weider concealed hinge display, Black
3DX.120.S.DISPLAY	Weider concealed hinge display, Stainless

- Self-Closing Hinges, UL available in late 2026
- Hinges for glass doors available
- Special order custom colors: many finish options available, including titanium coating living finishes with hardness 9H; colors cover all hinge areas exposed and visible after installation; ask for details.

WEID.SAMPLE.SET

3DX.120.S.DISPLAY

For details contact FFI, and see FFI catalog at www.Fenestration.net

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