

PRO

Commercial Hydraulic Hinge



ALREX Premium Stainless Steel Hydraulic Door Closer Hinge *Fire-Rated Commercial-Grade Solution for Seamless Safety & Style*

The ALREX PRO Hydraulic Door-Closer Hinge redefines door control, blending hydraulic precision with spring-hinge reliability. Built for demanding environments, its stainless-steel design ensures smooth, code-compliant performance while preventing disruptive slams—now with UL 10C 3-hour fire-rated certification for commercial use.

Key Advantages

- **UL 10C Fire Compliance:** 3-hour fire-rated protection meets strict commercial building codes (NFPA 80/ADA).
- **Intelligent Speed Control:** Adjustable hydraulic tension ensures smooth closing, preventing abrupt closures even in high-traffic areas.
- **Positive Latching Mechanism:** Secures doors firmly into frames.
- **Heavy-Duty Construction:** 304 stainless steel body withstands 1,000,000+ test cycles.
- **Architectural-Grade Aesthetics:** Slim profile integrates seamlessly with modern door designs.

Why Professionals Choose ALREX

- **Code-Driven Design:** Exceeds ADA, ANSI, & NFPA requirements for public/commercial spaces.
- **Cost-Efficient Installation:** A streamlined, all-in-one design replaces separate closer hardware, making retrofits 40% faster.
- **Proven Reliability:** Validated across 200,000+ installations in hospitals, schools, and offices.

Technical Superiority

- **Operating Temp. Range:** -40°F to 212°F
- **ANSI BHMA 156.17 Certificate**
- **Latching Force:** Adjustable from 2.5-5 lbf (meets ADA 4.1.3(7) requirements)

With fewer components, installation is quicker, and lifecycle costs are lower than traditional door closers. A concealed adjustment tool enables precise tuning.

Ideal Applications

- Multi-Family
- Hospitality
- Custom Applications

Experience the pinnacle of safety and sophistication with ALREX - where code compliance meets architectural elegance. Request spec sheets and UL certification documents for your next project.

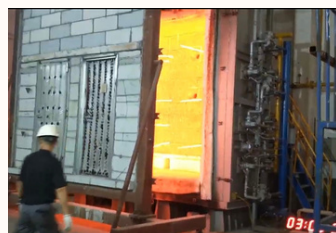


**790 lbs (360 kg)
Load-Bearing Test**

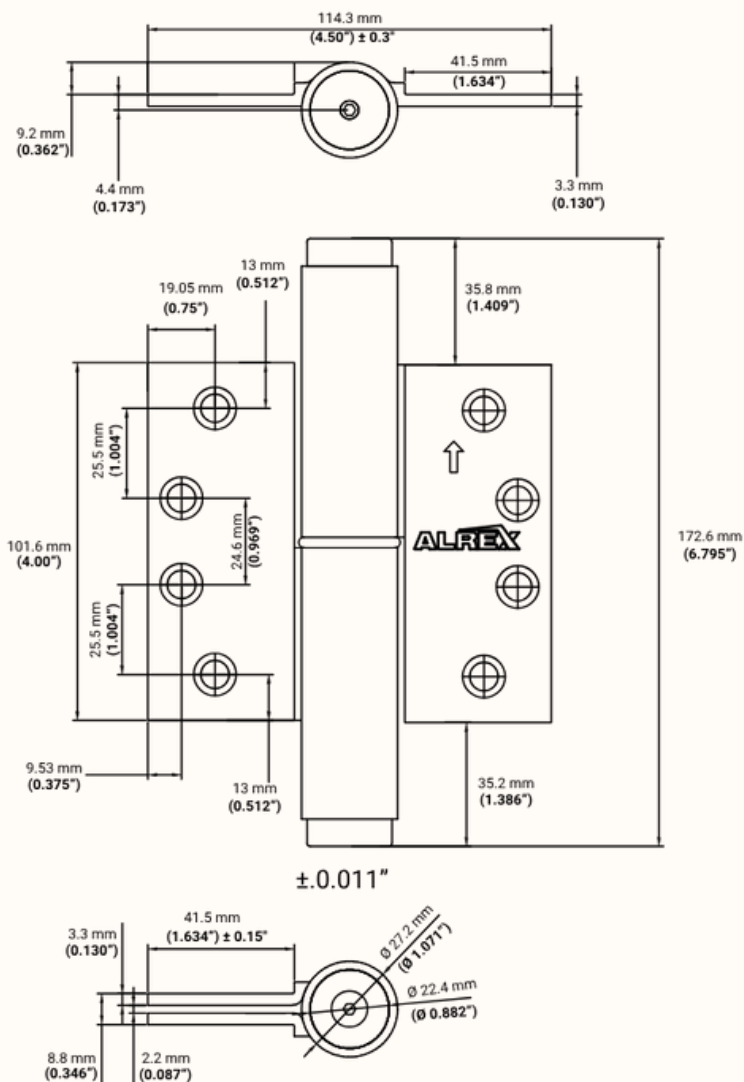


**1,000,000 Cycles
Durability Test**

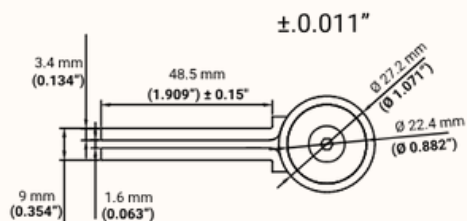
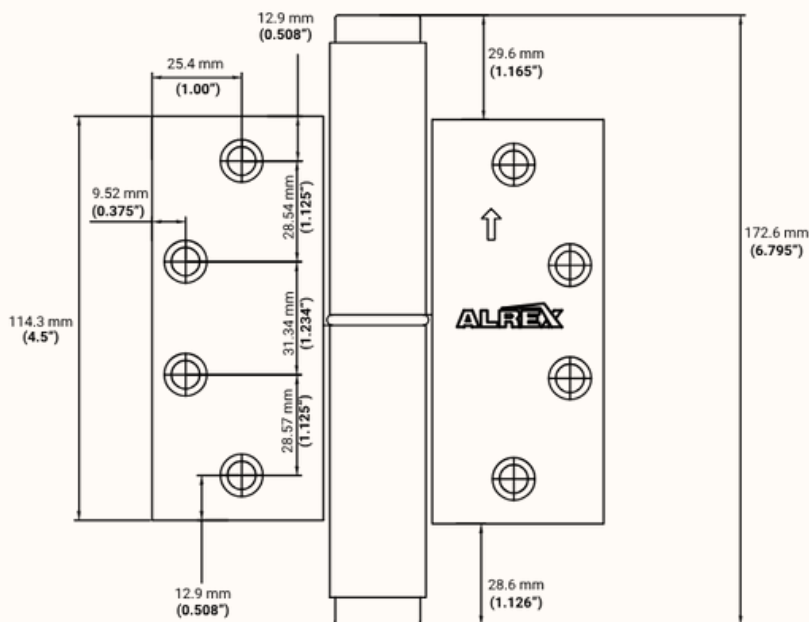
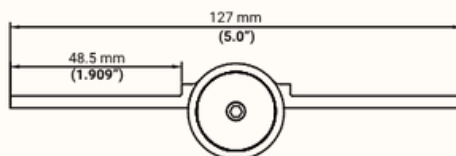
*UL 10C requirements for a 3-hour exposure period, adhering to NFPA 252 standards and UL 10C under both positive and neutral furnace pressures test.



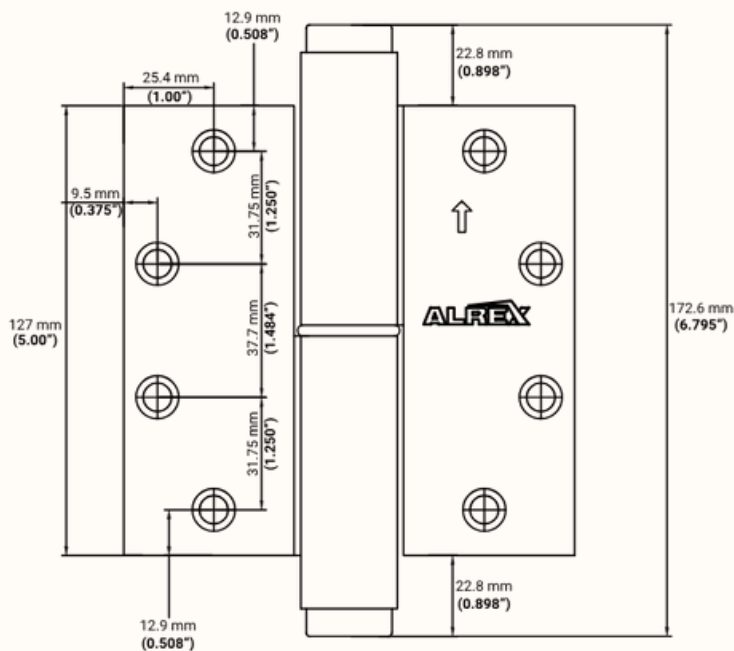
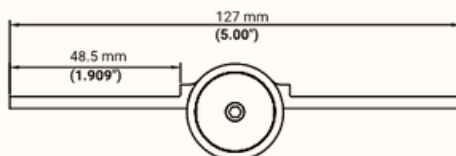
4"



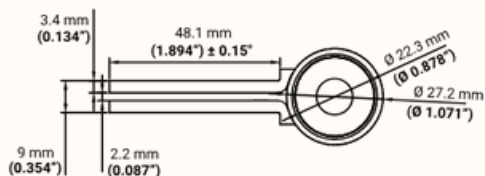
4.5"



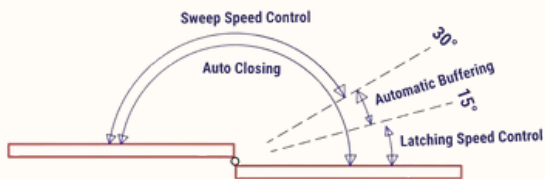
5"



±0.011"



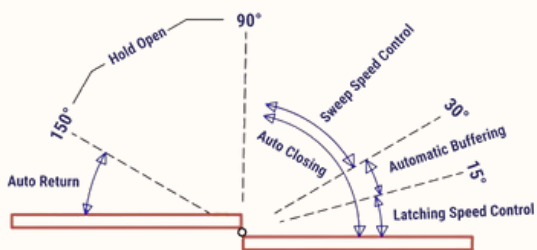
Free Swing (Non- Hold Open): Movement Guide



Free Swing: Function Description

- Maximum door opening: 180°
- 180°-30°: Sweep Speed controlled using the top (Force) adjustment.
- 30-15°: The hydraulic system slows the sweep speed within the Automatic Buffering zone.
- 15°-0: Adjustable latching speed controlled using the bottom (Latch Speed) adjustment.
 - The exact *movement zones* slightly shift depending on desired adjustment made.

Hold Open: Movement Guide



Free Swing: Function Description

- Maximum door opening: 180°
- Door will return to 150° automatically if opened past 150°
- Automatic closing at ~90°
 - 30-15°: The hydraulic system slows the sweep speed within the Automatic Buffering zone.
 - 15°-0: Adjustable latching speed controlled using the bottom (Latch Speed) adjustment.
- The exact *movement zones* slightly shift depending on desired adjustment made.

Recommended Hinge Guide:

Door Weight	Door Size	Hinge Qty (pc)
Up to 150 lbs Up to 200 lbs	3'0" x 7'0"	2 Hydraulic / 1 Free Swing 3 Hydraulic
Up to 200 lbs Up to 250 lbs	3'0" x 8'0"	3 Hydraulic / 1 Free Swing 4 Hydraulic
Up to 180 lbs Up to 220 lbs	4'0" x 7'0"	3 Hydraulic 3 Hydraulic / 1 Free Swing
Up to 200 lbs Up to 250 lbs	4'0" x 8'0"	3 Hydraulic / 1 Free Swing 4 Hydraulic

Available Finishes:



Satin Stainless
(630)



Black
(800)



Dark Bronze
(10B)



Satin Brass
(US4)





Installation Instructions

Read All Instructions Before Beginning Installation

The **PRO** hydraulic hinge is built to last without needing maintenance. It can work in one of two ways:

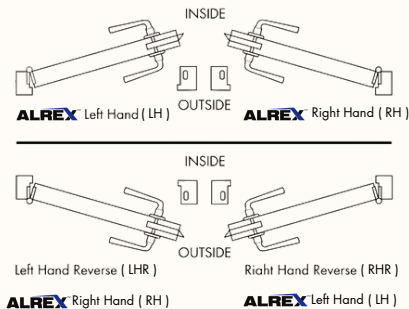
1. **Hold Open (H) Function** – If the door opens past **85 degrees**, it stays open. The closing and locking speed can be adjusted.
2. **Standard Full Close (S) Function** – The door **automatically closes** from **175 degrees**. The closing and locking speed can also be adjusted.

Both types of hinges are adjusted the same way.

Installation Instructions

Before You Start:

- **ONLY** adjust in the closed position
- Install all hinges in regular hinge cut-outs before making adjustments.
- Pay attention to the **handing** (left or right) and **top orientation** of the hinges.
- If a Free Swing (Dummy) hinge is being used, please install in the middle or middle-top hinge position.



Hinge Handing (Left or Right Door Opening)

Alrex hydraulic hinges are made specifically for **left-hand or right-hand doors**. Make sure the hinge direction **matches** the way your door opens. If not, the hinge **won't work correctly**.

How to Adjust the Hinges

Once the Alrex hinges are installed, open and close the door to see how it moves. Then, follow these steps to adjust it:

Step 1: Adjust Closing Speed (Force Adjusting) - Fig. 1

This top adjustment is compressing the spring within the Alrex hinge.

1. Remove the dust plug.
2. **ONLY** Use the tools provided to make adjustments with hinge. Use the tool to turn the top of the hinge **clockwise** (full turns) to change the closing speed. notice the notching to help you ensure all hinges are adjusted the same.
3. Adjust the **top hinge first**, then adjust the remaining hydraulic hinges in descending order.
4. Make sure **all hydraulic hinges** are adjusted **the same** using the gauge on the tool.
5. Keep adjusting **until you get the speed you want**.
6. Once the top adjustment is complete, replace the **dust plug**.

Step 2: Adjust Latching Speed (Latch Speed Adjusting) - Fig. 2

This bottom adjustment is adjusting the speed of the hydraulic fluid being released.

1. Insert the tool into the **bottom** of each hydraulic hinge.
2. Turn it **counterclockwise** (half turns) to adjust the latching speed.
3. Make small, equal adjustments until the latching speed is at your preferred speed.
4. Use the gauge on the provided tool to **match all hinges** to the same setting.

FIG. 1



FIG. 2



Installation Video/Tutorial



Hinges aren't an afterthought... they're our only thought!

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