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Locinox MAMMOTH (180° & INCL. DINO)

Locinox Mammoth 180° Self-Closing Gate Hinge User Manual

Model: MAMMOTH (180° & INCL. DINO)

Brand: Locinox

PRODUCT OVERVIEW

The Locinox Mammoth 180° Self-Closing Gate Hinge is an elegant and robust solution designed for efficient gate closure. This hinge is engineered to handle gates weighing up to 150 kg, offering adjustable closing force, speed, and end strike for precise control. Featuring patented hydraulic damping, it ensures consistent closing speed and has been tested for 500,000 movements. Its weatherproof aluminum housing and stainless steel components make it suitable for exterior use.

Key Features

- 180° self-closing double bearing hinge with adjustable closing speed and final snap
- Robust yet stylish design with high quality components
- Weatherproof aluminum housing designed for exterior use
- Consistent closing speed thanks to patented hydraulic damping
- ADA compliant (< 5 lbs; max 32 Nm) from gate widths of 4.4ft. or more
- Vandal and tamper-proof
- For left and right handed gates
- Fast and easy installation with Quick-Fix

INSTALLATION GUIDE

The Mammoth hinge is designed for fast and easy installation using the Quick-Fix system. It is compatible with both left and right-handed gates.

Before You Begin

- Ensure the gate frame and post are structurally sound and capable of supporting the hinge and gate weight (up to 150 kg).
- Gather necessary tools: measuring tape, drill, appropriate fasteners (not included, specific to gate material), level, wrench.

Mounting the Hinges

The Mammoth hinge includes an upper hinge and a lower hinge (Dino).



Image: A detailed view of the silver Locinox Mammoth hinge components attached to a black gate frame, showing the upper and lower hinge sections.

1. Position the upper and lower hinge components accurately on the gate frame and post. The hinge allows for 2-way adjustment (2 x 20 mm) to ensure perfect alignment.
2. Mark the drilling points for the Quick-Fix system.
3. Drill pilot holes as required by your gate material.
4. Securely attach the hinge components using the Quick-Fix fasteners. Ensure all connections are tight and the hinge is level.
5. Attach the gate to the installed hinges.



Image: The silver Locinox Mammoth gate hinge installed on a silver metal gate, with a clear blue sky in the background, demonstrating its integration into a gate structure.

Initial Adjustments

After installation, perform initial adjustments for closing speed and force. Refer to the "Operation" section for detailed adjustment procedures.

OPERATION

The Mammoth hinge provides a 180° opening angle and features a self-closing mechanism with adjustable parameters.

Adjusting Closing Speed

The closing speed can be adjusted to suit your preference and gate weight. Locate the adjustment screw (refer to the product diagram if available) and turn it clockwise to decrease speed or counter-clockwise to increase speed. Make small adjustments and test the gate's closing action.

Adjusting Closing Force and End Strike

The hinge allows for adjustment of the closing force and the final snap (end strike) to ensure the gate latches securely without slamming. Use the designated adjustment points to fine-tune these settings.

ADA Compliance

This hinge is ADA compliant (< 5 lbs; max 32 Nm) for gate widths of 4.4ft or more, ensuring accessibility.



Image: A person walking through a large industrial gate, which is fitted with the Locinox Mammoth hinge, illustrating its use in a practical setting.

MAINTENANCE

The Locinox Mammoth hinge is designed for durability and minimal maintenance.

- **Regular Inspection:** Periodically check all mounting screws and fasteners to ensure they remain tight.
- **Cleaning:** Clean the hinge components with a soft cloth and mild detergent as needed to remove dirt and debris. Avoid abrasive cleaners.
- **Lubrication:** The double storage made of stainless steel and hydraulic damping system are designed for long-term, maintenance-free operation. No regular lubrication is typically required for the internal mechanisms.

- **Environmental Protection:** The weatherproof aluminum housing protects internal components from environmental elements.

If any issues arise, refer to the Troubleshooting section or contact Locinox support.

TROUBLESHOOTING

Issue	Possible Cause	Solution
Gate does not close fully	Closing speed/force too low; Obstruction; Misalignment	Increase closing speed/force; Remove obstruction; Check gate and hinge alignment.
Gate closes too fast/slams	Closing speed/force too high	Decrease closing speed/force using the adjustment screws.
Hinge makes unusual noises	Loose fasteners; Debris in mechanism	Tighten all fasteners; Clean around the hinge area. If noise persists, contact support.
Gate sags or is misaligned	Improper installation; Gate/post issues	Re-check hinge installation and alignment (2-way adjustable); Inspect gate and post for structural integrity.

For issues not listed or if problems persist, contact Locinox customer support.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model	MAMMOTH (180° & INCL. DINO)
Material	Aluminium, Silver
Finish Type	Stainless Steel
Mounting Type	Door Mount
Weight Limit	150 Kilograms
Opening Angle	180°
Product Dimensions	70.87" L x 5.91" W
Item Weight	10.56 pounds
Adjustability	2-way adjustable (2 x 20 mm)
Durability Test	Tested for 500,000 movements
ADA Compliance	< 5 lbs; max 32 Nm (for gate widths of 4.4ft or more)
Included Components	Door closer (upper hinge and lower hinge Dino)

WARRANTY AND SUPPORT

For warranty information, technical assistance, or replacement parts, please contact Locinox directly through their official website or authorized distributors. Keep your purchase receipt and model number handy when contacting support.

Visit the official Locinox website for more information:[Locinox Store](#)

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