

MAGNUS

Motorized Hinge for Pedestrian Swing Gates

Specifications: The gate shall be automated using the motorized MAGNUS hinge from the Locinox brand, or an equivalent product of comparable technical quality. The MAGNUS combines a hinge and a powerful gate closer in one discreet and elegant solution. Specially developed for outdoor use, it offers excellent corrosion resistance, having passed the 1000-hour salt spray test in accordance with ISO 9227. Its frictionless brushless motor enables intensive use, with over 500,000 opening and closing cycles in both manual and fully automatic modes. This is equivalent to more than 30 years of daily operation. Thanks to its robust housing and IP56 rating, the MAGNUS is highly resistant to weather conditions and dust. Installation is straightforward, thanks to its Plug & Play design and pre-assembled Quick-Fix fasteners.

FEATURES

- › Electrically powered gate closer.
- › Equipped with a reversible brushless motor.
- › Manual operation always possible.
- › Suitable for gates up to 440 lbs (200 kg) and up to 59" (1500 mm) wide.
- › Maximum motor torque: 100 Nm.
- › Supports gate opening angles up to 180°.
- › Maximum opening resistance: 15 Nm.
- › Adjustable closing speed.
- › Adjustable motor torque.
- › Integrated motor damping.
- › Slow start and stop functionality.
- › Push-and-Go functionality (opens with a light push).
- › Can be configured for automatic opening mode.
- › Integrated obstacle detection.
- › Designed and manufactured in Europe or the United States.
- › Complies with the *Americans with Disabilities Act* (ADA).
- › Meets ROSPA (*Royal Society for the Prevention of Accidents*) safety guidelines.
- › Compliant with EN 12453 and EN 16005 standards for the safe use of automatic door systems.
- › Must be combined with an electric, electromagnetic, or mechanical lock.
- › For fully automatic opening, use with an electromagnetic lock, mechanical lock with electric strike, or motorized bolt.
- › Available in black or silver finishes.

SPECIFICATIONS

- › Purpose-built for outdoor use.
- › Weatherproof and dustproof.
- › IP56 rated.
- › Maintenance-free (no lubrication or oil required). *Always verify whether additional local safety requirements apply.*
- › 2-year manufacturer's warranty.
- › Tested on 500,000 movements.

INSTALLATION

- › Suitable for post profiles from 2 3/8" and gate profiles from 1 9/16", with a minimum material thickness of 1/16 " (steel).
- › Install in 9/16" pre-drilled holes using a supplied drilling template.
- › Compatible with both left- and right-hand gates.
- › Requires a strike plate or striker to define the zero position.
- › No safety sensors required, thanks to standard low-energy mode.
- › 3D installation video available in the companion app.
- › Includes 3 configurable inputs for connecting access control, security sensors, etc.
- › Includes 3 configurable outputs for an electric strike, electromagnetic strike plate, warning light, ambient light, or fixed 24V DC power supply.

CONFIGURATION

- › Programmable via mobile application.
- › Step-by-step instructions and videos available within the app.
- › App available for Android and iOS devices.

MATERIAL

- › Durable anodized aluminum housing.
- › Corrosion-resistant: passed 500-hour salt spray test (ISO 9227).
- › UV-resistant and colorfast.