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**Hager XS2100830DBA000001**

# Hager 780-210 Series Roton Continuous Geared Hinges User Manual

Model: XS2100830DBA000001

## PRODUCT OVERVIEW

The Hager Roton continuous geared hinge is engineered for superior performance and durability, designed to distribute the weight of the door along its entire length. This innovative design makes it suitable for high-traffic environments such as hospitals, schools, hotels, offices, airports, stadiums, storefronts, and various commercial and industrial buildings. It is ideal for both new construction and retrofit applications.



This image displays a detailed cross-section of the Hager Roton continuous geared hinge. It highlights the unique internal gear mechanism that distributes the door's weight along the full length of the door frame, contributing to its durability and smooth operation. The hinge is shown in a dark bronze anodized finish.

## SETUP AND INSTALLATION

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The Hager 780-210 Series continuous geared hinge is designed for full surface mounting and simplifies installation by eliminating the need for door reinforcement. Follow these general guidelines for proper setup:

- **Door Reinforcement:** No additional door reinforcement is required for installation.
- **Fasteners:** Utilize the provided Dril-Kwik screws and sex bolts for secure attachment.
- **Clearance:** Ensure standard lockside clearance is maintained during installation.
- **Fire Rating:** This hinge is fire-rated for up to 3 hours on metal doors and 90 minutes on wood composite doors (when installed with studs).
- **Length:** The hinge is 83 inches in length, designed to span the full height of standard doors.

For detailed installation instructions, refer to the specific template provided with your hinge package. Proper alignment and secure fastening are crucial for optimal performance and longevity.

## OPERATING INSTRUCTIONS

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Once properly installed, the Hager Roton continuous geared hinge provides smooth and consistent door operation. The geared design ensures that the door opens and closes with minimal effort and without binding, distributing stress evenly across the frame.

- **Smooth Movement:** The continuous geared mechanism facilitates a fluid and quiet swing of the door.
- **Weight Distribution:** The hinge's design effectively distributes the door's weight, reducing strain on the door and frame.

## MAINTENANCE

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Hager Roton continuous geared hinges are designed for minimal maintenance due to their robust construction and durable materials. Regular inspection can help ensure continued optimal performance.

- **Cleaning:** Periodically wipe down the hinge surface with a soft, damp cloth to remove dust and grime. Avoid abrasive cleaners that could damage the dark bronze anodized finish.
- **Inspection:** Annually inspect the hinge for any signs of wear, loose fasteners, or unusual movement. Tighten any loose screws as needed.
- **Lubrication:** The geared mechanism is designed for long-term, maintenance-free operation. Lubrication is generally not required under normal operating conditions.

## TROUBLESHOOTING

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Due to their durable design, Hager Roton continuous geared hinges rarely experience operational issues. However, if you encounter any problems, consider the following:

- **Stiff or Noisy Operation:**
  - Check for any obstructions between the door and the frame.
  - Verify that all mounting screws are securely tightened. Loose screws can cause misalignment and affect smooth operation.
  - Ensure the hinge is clean and free of debris.
- **Door Sagging or Misalignment:**
  - Re-check the installation to ensure the hinge is properly aligned and securely fastened to both the door and the frame.
  - Confirm that the door itself is not warped or damaged.

If issues persist after checking these points, it is recommended to contact a qualified professional or Hager customer support for further assistance.

## SPECIFICATIONS

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Attribute	Detail
Brand	Hager

<b>Model Number</b>	XS2100830DBA000001
<b>Part Number</b>	048051
<b>UPC</b>	041359480518
<b>Material</b>	Aluminum
<b>Finish Type</b>	Dark Bronze Anodized
<b>Mounting Type</b>	Door Mount (Full Surface)
<b>Size</b>	780-210 Series, 83" Length
<b>Style</b>	Standard Duty
<b>Item Weight</b>	11 pounds
<b>Package Dimensions</b>	87 x 4 x 2 inches
<b>Unit Count</b>	1.0 Count
<b>Manufacturer</b>	Hager Companies

## WARRANTY INFORMATION

Hager Roton continuous geared hinges are backed by a **Lifetime Warranty**. This warranty reflects Hager's confidence in the superior performance and durability of their products. For specific terms and conditions of the warranty, please refer to the documentation included with your purchase or visit the official Hager website.

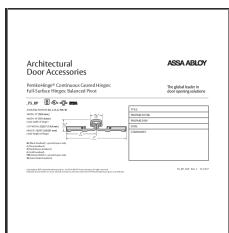
## CUSTOMER SUPPORT

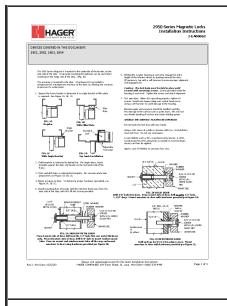
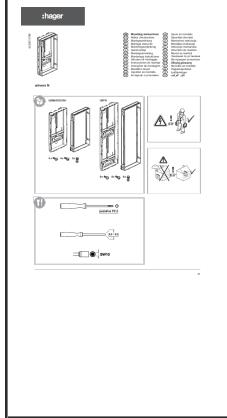
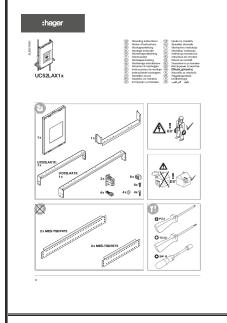
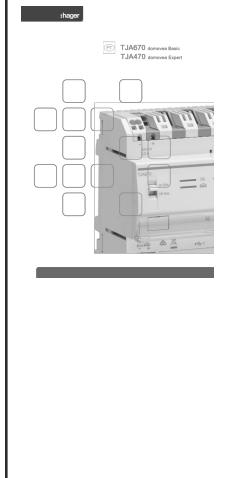
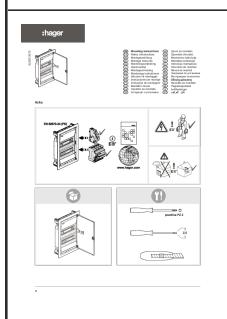
For any questions, technical assistance, or support regarding your Hager 780-210 Series Roton Continuous Geared Hinge, please contact Hager Companies directly. Contact information can typically be found on their official website or on the product packaging.

*Please have your model number (XS2100830DBA000001) and UPC (041359480518) available when contacting support for faster service.*

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## Related Documents - XS2100830DBA000001

	<p><a href="#">PemkoHinge FS_BP Full-Surface Balanced Pivot Continuous Geared Hinges - Technical Specifications and Installation Guide</a></p> <p>Comprehensive technical specifications, installation instructions, safety information, and maintenance guidelines for PemkoHinge FS_BP Full-Surface Balanced Pivot Continuous Geared Hinges by Pemko Manufacturing Co., an ASSA ABLOY Group company.</p>
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	<p><b><a href="#">Hager 2950 Series Magnetic Locks Installation Instructions</a></b></p> <p>Installation instructions for Hager 2950 Series Magnetic Locks, including wiring, troubleshooting, and technical specifications for models 2951, 2952, 2953, and 2954.</p>
	<p><b><a href="#">Hager univers N Mounting Instructions for U96N/UG31N1 and U97N</a></b></p> <p>Detailed installation guide for Hager's univers N electrical enclosure system, covering models U96N/UG31N1 and U97N. Provides step-by-step instructions, required tools, torque specifications, and safety warnings for proper mounting and assembly.</p>
	<p><b><a href="#">Hager UC52LAX1x Mounting Instructions for Electrical Enclosures</a></b></p> <p>Detailed mounting instructions and guide for the Hager UC52LAX1x series, including UC52LAX12 and UC52LAX13, for installing electrical components in enclosures.</p>
	<p><b><a href="#">Hager TJA670/TJA470 domovea Basic/Expert Installation Manual</a></b></p> <p>This document provides a comprehensive guide for installing and configuring the Hager TJA670 domovea Basic and TJA470 domovea Expert systems. It covers system overview, software installation, initial setup, project management, available functions, device details, and integration with external services.</p>
	<p><b><a href="#">Hager Volta Distribution Board Mounting Instructions</a></b></p> <p>Comprehensive mounting instructions for Hager Volta series surface and flush-mounted electrical distribution boards, detailing installation steps, component assembly, and compliance with IEC/EN standards.</p>