

## Crosby Z419480

# CROSBY Z419480 5/8 SKO-16-8 MSTLNK User Manual

Model: Z419480

## INTRODUCTION

This user manual provides essential information for the safe and effective use of the Crosby Z419480 5/8 SKO-16-8 MSTLNK. Please read this manual thoroughly before installation, operation, or maintenance to ensure proper handling and to prevent injury or damage.



Image: The Crosby Z419480 5/8 SKO-16-8 MSTLNK, a robust master link component designed for heavy-duty rigging applications.

## SAFETY INFORMATION

Always adhere to all local, state, and federal regulations, including OSHA, when using rigging equipment. Failure to follow these instructions can result in serious injury or death.

- Inspect the master link before each use for any signs of wear, deformation, cracks, or corrosion.
- Do not use if the master link is bent, twisted, or shows signs of stretching.
- Ensure the master link is correctly sized for the application and does not exceed its Working Load Limit (WLL).
- Avoid shock loading.
- Do not modify or repair the master link.

## SETUP

The Crosby Z419480 5/8 SKO-16-8 MSTLNK is designed for integration into various rigging assemblies. Proper setup is crucial for safety and performance.

- Pre-Installation Inspection:** Before attaching, perform a thorough visual inspection of the master link and all connecting components (e.g., hooks, shackles, chain slings). Look for any damage, deformation, or excessive wear.
- Component Compatibility:** Ensure that the dimensions of the connecting components (e.g., chain, wire rope, synthetic slings) are compatible with the master link's opening and design. The master link should allow for free movement of connecting components without binding or excessive friction.
- Proper Attachment:** Attach the master link to the lifting device (e.g., crane hook) in a manner that allows it to seat properly and freely. Avoid situations where the master link is subjected to bending loads or is not fully seated.
- Load Distribution:** When used in multi-leg slings, ensure that the load is evenly distributed among the legs connected to the master link. Uneven loading can lead to premature failure.

## OPERATING PROCEDURES

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The Crosby Z419480 5/8 SKO-16-8 MSTLNK is a passive component within a rigging system. Its operation is directly tied to the overall rigging plan and the lifting equipment used.

- Working Load Limit (WLL):** Never exceed the stated Working Load Limit (WLL) of the master link. The WLL is typically stamped on the product.
- Load Application:** Apply loads smoothly and gradually. Avoid sudden jerks or shock loading, which can significantly increase stress on the component beyond its WLL.
- Angle of Lift:** Be mindful of the angle of lift in multi-leg slings. As the angle between sling legs increases, the tension in each leg also increases, which can affect the effective WLL of the master link. Consult rigging charts for proper angle considerations.
- Environmental Conditions:** Be aware of environmental factors such as extreme temperatures, corrosive atmospheres, or abrasive conditions that may affect the performance and lifespan of the master link.
- Personnel Safety:** Ensure all personnel are clear of the load and rigging path during lifting operations.

## MAINTENANCE

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Regular inspection and proper storage are key to maintaining the integrity and extending the service life of the Crosby Z419480 5/8 SKO-16-8 MSTLNK.

- Frequent Inspection:** Conduct frequent visual inspections, ideally before each use. Look for:
  - Deformation: Bending, twisting, stretching, or elongation.
  - Cracks or Nicks: Especially in high-stress areas.
  - Corrosion: Rust or pitting that could weaken the material.
  - Wear: Excessive wear in bearing points where other components connect.
  - Legibility of Markings: Ensure WLL and other identification marks are clear.
- Periodic Inspection:** A thorough inspection by a qualified person should be performed periodically, as per industry standards (e.g., ASME B30.9, OSHA 1910.184) or manufacturer recommendations, typically at least annually.
- Cleaning:** Clean the master link as needed to remove dirt, grease, or other contaminants that might obscure defects or contribute to corrosion. Use mild detergents and ensure thorough drying.
- Storage:** Store the master link in a clean, dry environment, protected from extreme temperatures, corrosive elements, and mechanical damage.
- Removal from Service:** Any master link showing signs of damage, deformation, or exceeding wear limits must be

immediately removed from service and either repaired by the manufacturer (if permissible) or discarded.

## TROUBLESHOOTING

As a static component, the Crosby Z419480 5/8 SKO-16-8 MSTLNK does not have "operational" troubleshooting in the traditional sense. Troubleshooting primarily involves identifying and addressing issues related to its structural integrity or suitability for the application.

Symptom	Possible Cause	Action
Visible Deformation (bending, twisting, elongation)	Overloading, shock loading, improper attachment, excessive side loading.	Immediately remove from service. Do not attempt to straighten or repair. Replace with a new, properly rated master link.
Cracks or Nicks	Fatigue, impact damage, material defect, stress concentration.	Immediately remove from service. Do not use. Replace.
Excessive Wear at Bearing Points	Abrasion from connecting components, improper fit, prolonged use under heavy loads.	If wear exceeds manufacturer's specified limits (e.g., 10% reduction in original dimension), remove from service. Replace.
Corrosion (significant rust or pitting)	Exposure to moisture, chemicals, or harsh environments without proper protection.	Assess severity. If pitting is deep or widespread, remove from service. Clean and apply protective coating for future prevention.

**Note:** Any observed damage or deviation from normal appearance warrants immediate removal from service and professional assessment or replacement.

## SPECIFICATIONS

Key technical specifications for the Crosby Z419480 5/8 SKO-16-8 MSTLNK.

Attribute	Value
Model Number	Z419480
Size	5/8 inch
Type	SKO-16-8 MSTLNK (Master Link)
Brand	Crosby
Material	Alloy Steel (typical for Crosby master links, inferred)
Working Load Limit (WLL)	<i>(Not provided in input, would be specific to the product's exact WLL)</i>
ASIN	B0DJCGMWG2
Date First Available	May 9, 2025

**Note:** For precise Working Load Limit (WLL) and other critical dimensions, always refer to the markings directly on the product and official Crosby documentation.

## WARRANTY AND SUPPORT

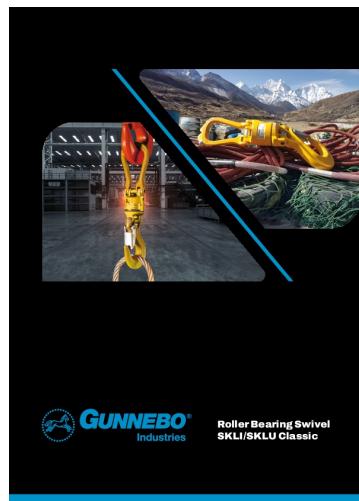
For information regarding product warranty, technical support, or service, please contact Crosby directly or your authorized Crosby distributor.

- **Manufacturer:** Crosby
- **Website:** [www.thecrosbygroup.com](http://www.thecrosbygroup.com) (Example link, actual link may vary)
- **Contact:** Refer to the official Crosby website for contact information, including phone numbers and email addresses for customer service and technical support.

Always ensure you are purchasing genuine Crosby products from authorized dealers to ensure product authenticity and warranty coverage.

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Documents - Crosby – Z419480

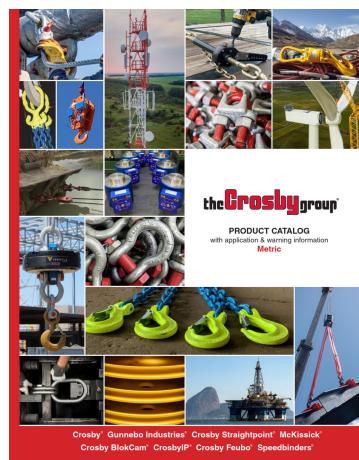


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