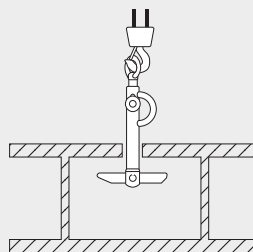
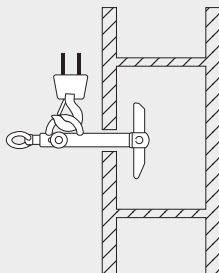


REEL LIFTER OPERATION AND SAFETY GUIDE

SLINGCO PART NOS. ZLD08729, ZLD09186, ZLD10807



⚠ ATTENTION

READ and **UNDERSTAND** all of the instructions and safety information in this manual before operating or servicing this tool.

Failure to read and understand these warnings and safe handling instructions could result in severe personal injury or death.

KEEP THIS MANUAL WITH TOOL.

Thank you for using Slingco® products. This manual must be read and understood prior to operating this product. Special attention should be paid to the section **'Safety Information'**.

This manual should be kept available to all operating and maintenance personnel.

Additional or replacement manuals may be obtained at no charge by contacting your local Slingco office.

This manual is originally written in English. All other languages are translations from the original English text.

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SAFETY INFORMATION

⚠ ATTENTION

DO NOT perform any service or maintenance on this tool other than described in this manual.
Read and follow the operator's manual before using this tool.
This manual should be kept available to all operating and maintenance personnel.

⚠ WARNING PINCH POINT HAZARD



- Mechanism has moving parts, which can create pinch points when actuated.
- Keep hands away from mechanism, or serious injury may occur.

⚠ WARNING



Heavy suspended objects can fall.
Can cause property damage, severe injury, or even death.

- **DO NOT** adjust the reel lifter while a load is suspended.
- **DO NOT** stand under the suspended load.
- **DO NOT** lift loads over personnel.
- **DO NOT** use the lifter to transport personnel.
- Proper lifting and rigging techniques must be used at all times.
- Ensure surrounding personnel are aware of their surroundings at all times.

⚠ WARNING GLOVES REQUIRED



- **DO NOT** operate without proper hand protection.

⚠ WARNING SAFETY SHOES REQUIRED



- Safety shoes required when using this product.

⚠ WARNING SHARP OBJECT



- Cotter pin tabs may have sharp edges. **DO NOT** operate without proper hand protection.

⚠ WARNING



Risks can develop as a result of improper use and lead to death or severe injuries.
Improper use compromises, among others:

- Exceeding the working load limit.
- Applying side load to the product.
- Striking or abusing the product.
- Altering or modifying the product.
- Installing a damaged assembly.

⚠ WARNING HARD HAT REQUIRED



- **DO NOT** operate without proper head protection.

⚠ WARNING



- Inspect before each use.

⚠ WARNING



- **DO NOT** lift or suspend the reel using the side flipping eye.
- **DO NOT** flip the reel using the lifting eye.

⚠ WARNING



- **DO NOT** use on an uneven and/or sloped surface. **ALWAYS** use on a flat and level surface.

SAFETY INFORMATION (CONT.)

WORK AREA SAFETY

1. Keep the area around the equipment clean and free of obstruction.
2. Bystanders should stay clear of the work area to ensure safety.

PERSONAL SAFETY

1. Stay alert while using the equipment to prevent serious injury. **DO NOT** use under the influence of drugs, alcohol or medications.
2. **DO NOT** wear loose hair or clothes that may get caught while the equipment is in operation.
3. Work safely. Ensure firm footing, be properly secured, and **DO NOT** over-extend yourself while operating equipment.

TOOL USE AND CARE

1. **DO NOT** use this tool if there are any abnormalities or damage to any of its components.
2. Inspect the tool before and after every use. **DO NOT** use this tool if it is damaged in any way. Ensure that all hardware is secure.
3. When having the tool repaired, always use factory Slingco replacement parts. Tools must be serviced and/or repaired by Slingco or a factory authorized service center.

DESCRIPTION

INTENDED USE

Slingco Reel Lifters are a high capacity, compact unit used to safely load, transport, and dispense wire and/or cable. It can also be used to relocate reels within a warehouse or around the job site. The side flipping eye also allows for reels to be flipped from the rolling position (flipping configuration) to the non-rolling position (lifting configuration).

WARNING

Once in the lifting configuration, the Slingco Reel Lifter **SHOULD NOT** be used to flip the reel back into the rolling configuration.

DESCRIPTION (CONT.)

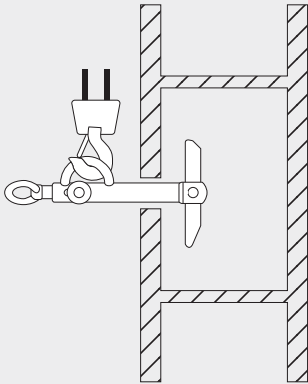
⚠ WARNING

The side flipping eye **SHOULD NOT** be used to lift or suspend the load.
The lifting eye **SHOULD NOT** be used to flip the load.

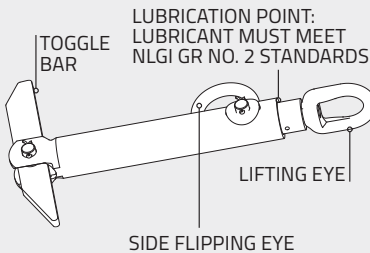
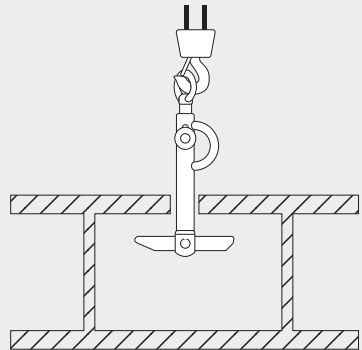
KEY FEATURES OF THE REEL LIFTER

The figures below shows the main features.

FLIPPING CONFIGURATION



LIFTING CONFIGURATION



TECHNICAL DATA

Slingco Part No.	Working Load Limit (WLL)		Arbor Hole (Min)		Arbor Hole (Max)		Weight		Length	
	lb	kg	in	mm	in	mm	lb	kg	in	mm
ZLD08729	3000	1360	2	50.8	4	101.6	6.5	2.95	16.125	409.6
ZLD09186	5000	2268	3	76.2	6	152.4	14.5	6.58	21.125	536.6
ZLD10807	12000	5443	3.25	82.55	6	152.4	32.33	14.66	30.53	775.5

OPERATING INSTRUCTIONS

WARNING

Failure to read, understand, and follow these instructions can result in sudden load release, leading to property damage, severe injury, or death. Use of this product is restricted to trained and competent individuals familiar with lifting procedures and the associated equipment.

HANDLING

To properly handle the Slingco Reel Lifter, the side flipping eye should be used as a carry handle. If further support is needed, the main body of the reel lifter can also be held to assist in guiding the reel lifter into the arbor hole during installation. The lifting eye can also be used as a carry handle but caution must be exercised as this will create pinch points as the mechanism moves. All required PPE must be worn to help prevent injuries.

CAUTION: The reel lifter can weigh 32.3 lbs (14.7 kg). Use proper lifting techniques when positioning the reel lifter. If needed, use mechanical aids or get assistance to avoid personal injury.

CAUTION: When handling the reel lifter outdoors, follow recommended company procedures to mitigate risk of dehydration, heat stroke, or other environmental factors that could lead to personal injury.

PRE-INSTALLATION CHECKS

Before attempting to attach the reel lifter, you **MUST** perform the following checks:

1. Inspect the reel lifter: Perform a thorough pre-use inspection as detailed in Maintenance and Inspection. Check for cracks, bending, deformation, excessive wear, and damage to any components. **DO NOT** use a damaged reel lifter. Damaged reel lifters must be removed from service until they are repaired or replaced.
2. Verify load capacity: Identify the weight of the reel to be lifted. **NEVER** attempt to lift a reel that weighs more than the Rated Load or Working Load Limit (WLL) marked on the unit.
3. Verify proper access to the reel. Ensure the reel is located in a position where there are no overhead obstacles that will limit the ability to safely lift the reel.

OPERATING INSTRUCTIONS (CONT.)

4. Verify the condition of the load. Ensure the reel is in good working order and is free from damage prior to the lifting operation. **NEVER** use the reel lifter on a damaged reel.
5. Verify the arbor hole diameter. Ensure that the diameter of the arbor hole is within the specifications of the reel lifter. **NEVER** use a reel lifter in an arbor hole that is smaller or larger than the specified values in this document.

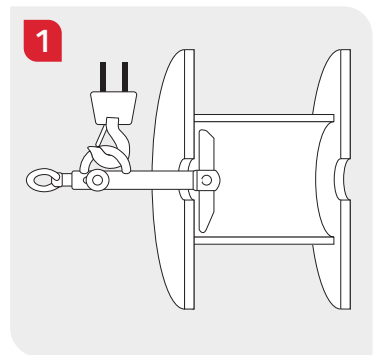
STEP-BY-STEP INSTALLATION PROCEDURE

1. When the reel is in its rolling position, insert the Slingco Reel Lifter into the central arbor hole. Then pull the reel lifter eye to engage the toggle bar. Using the side flipping eye, the reel can then be flipped to the non-rolling position.

WARNING PINCH POINT HAZARD

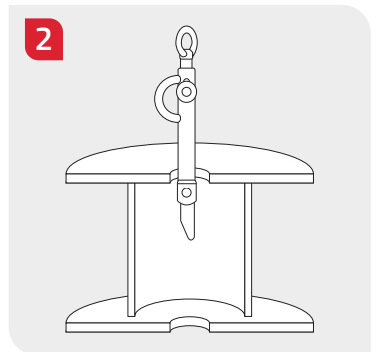


- Mechanism has moving parts, which can create pinch points when actuated.
- Keep hands away from mechanism, or serious injury may occur.



2. Once the reel is stable in its non-rolling position, lower the reel lifter down into the central hole.

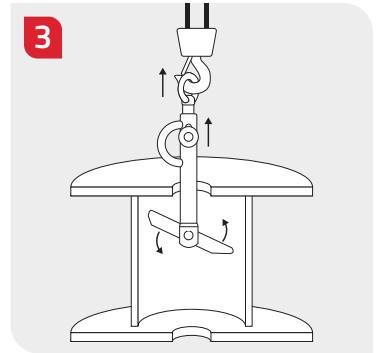
CAUTION: Once in the non-rolling position, the Slingco Reel Lifter **SHOULD NOT** be used to flip the reel back to the rolling position.



OPERATING INSTRUCTIONS (CONT.)

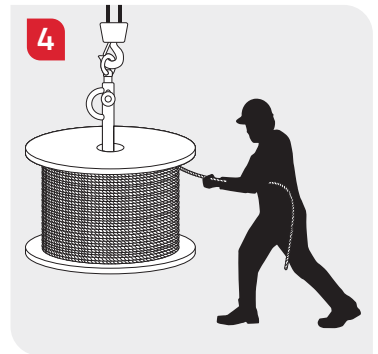
3. To lift the reel, use the lifting eye. The toggle bar will engage under the top of the reel. Once the load is supported by the reel lifter, ensure the load is stable before continuing.

CAUTION: The side flipping eye **SHOULD NOT** be used to lift or suspend the reel.



4. The reel can now be maneuvered where needed, and wire can be dispensed.

NOTE: When transporting the reel suspended in the air, keep the reel low to the ground (about 6-12 inches or 150-300 mm) to maintain a clear view of the area and to minimize hazards in case of unpredictable hazards such as increased winds or sudden failure.



MAINTENANCE AND INSPECTION

The reel lifter is designed to be low maintenance, however regular maintenance and inspections are required for safe operation. The following inspection schedule must be followed. If the product or any of its components are damaged, tag and remove the unit from service until it can be repaired or replaced.

WARNING

This equipment must be inspected regularly by a qualified person. Failure to inspect and remove damaged or worn units from service can lead to a catastrophic failure, resulting in severe injury or death. A record of all documented inspection results must be maintained.

INSPECTION FREQUENCY

As required by ASME B30.20, the reel lifter must be inspected at the following intervals by a qualified person:

Pre-use (every lift) Inspection: A visual check performed by the operator or designated person before and during each shift and before each new lifting operation. The inspector must examine the reel lifter for debris and the overall condition and operation of the unit.

Frequent inspection: A visual check performed by the operator or designated person based on the following schedule.

NOTE: Frequent inspections are not required to be documented.

- **Normal Service:** Monthly
- **Heavy Service:** Weekly to Monthly
- **Severe Service:** Daily to Weekly

Periodic inspection: A documented visual check performed by the operator or designated person based on the following schedule:

- **Normal Service:** Yearly
- **Heavy Service:** Semi-Annually
- **Severe Service:** Quarterly

MAINTENANCE AND INSPECTION (CONT.)

INSPECTION CHECKLIST

Use the following table to perform all inspections. Documented inspections can be documented on the back cover of this document or in the desired location. Any component that does not pass inspection is cause for immediate removal of the reel lifter from service until it is repaired by a qualified person or disposed of properly.

Component / Area	What to look for	Acceptance criteria
Main Body / Lifting Eye / Side Flipping Eye	Cracks (especially at welds), bending, twisting, excessive corrosion, gouges, or deformation.	Must be free of all cracks, bends, and deformation. No significant corrosion that would reduce section thickness.
Toggle Bar	Cracks (especially at welds), bending, twisting, excessive corrosion, gouges, or deformation.	Must be free of all cracks, bends, and deformation. No significant corrosion that would reduce section thickness.
Markings and Labels	Missing or illegible markings (Rated Load/WLL, Serial #, Manufacturer, etc.) and missing or illegible labels.	All identification markings and labels must be present and clearly legible as required by ASME B30.20 and ASME BTH-1.
Operation / Moving Parts	Proper operation and movement. No binding or stiffness in the pivoting action.	The toggle bar must operate smoothly without binding when the lifting eye is actuated.

The Reel Lifter should be inspected in accordance with ASME B30.20. Any updates to ASME B30.20 supercede the information in this document and should be followed.

MAINTENANCE AND INSPECTION (CONT.)

MAINTENANCE

Please follow the lubrication procedure and repair procedure below to properly maintain the reel lifter. The reel lifter should be lubricated during each frequent inspection or as needed to keep the unit well lubricated.

⚠ WARNING HAND PROTECTION REQUIRED



■ **DO NOT** operate without proper hand protection.

⚠ WARNING EYE PROTECTION REQUIRED



■ **DO NOT** operate without eye protection, or serious injury may occur.

CLEANING

The reel lifter can be cleaned using soap mixed with warm water. After cleaning, ensure the reel lifter is thoroughly dry, then the reel lifter should be properly lubricated.

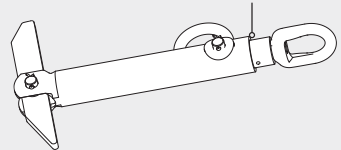
LUBRICATION

⚠ ATTENTION

Always follow the specific manufacturer's recommended personal protective equipment (PPE) and safety warnings.

1. Place the reel lifter on a stable, level surface.
2. If required, pull the lifting eye out to expose the lubrication point.
3. Using lubricant that meets NLGI GR NO. 2 standards (or equivalent), inject lubricant into the lubrication point. Apply lubricant as needed.
4. Rotate the lifting eye around to disperse the lubricant. Wipe away and clean off any excess lubricant.

LUBRICATION POINT:
LUBRICANT MUST MEET
NLGI GR NO. 2 STANDARDS



MAINTENANCE AND INSPECTION (CONT.)

REPAIR

DISASSEMBLY

- 1. Disconnect the Toggle Bar:** Remove the cotter pin from the bottom long pin of the reel lifter. Set the long pin aside for reinstallation. Note the orientation of the toggle bar and the attachment point for the cable assembly during removal.
- 2. Disconnect the Cable Assembly:** Remove the cotter pin and the small pin that connect the cable assembly to the toggle bar.
- 3. Remove Long Pin and Washers:** Remove the cotter pin securing the top long pin and curved washers. Set the long pin and washers aside for reinstallation.
- 4. Detach Lifting Eye Assembly:** Carefully remove the lifting eye assembly from the main body.
- 5. Remove Roll Pin:** Drive out the roll pin that holds the spring and cable assembly to the lifting eye assembly.

INSPECTION

WARNING

If the unit was overloaded or shows significant damage, immediately tag it and remove it from service. **DO NOT** attempt to repair a severely damaged unit.

Thoroughly inspect all internal and external components of the reel lifter for wear, deformation, cracks, or any other damage. If the unit passes inspection, proceed with the repair.

REASSEMBLY

- 1. Install Roll Pin and Spring and Cable Assembly:** Using the appropriate repair kit, install the new roll pin and spring and cable assembly into the lifting eye assembly.
- 2. Insert Lifting Eye Assembly:** Carefully insert the lifting eye assembly back into the main body, ensuring the spring and cable assembly is properly positioned.

MAINTENANCE AND INSPECTION (CONT.)

- 3. Install Top Long Pin and Washers:** Install the long pin with curved washers on each side through the main body and the lifting eye assembly. Secure the pin using a new cotter pin and bend its tabs outwards.
- 4. Connect Cable to Toggle Bar:** Reattach the cable assembly to the toggle bar. Be sure to install it in the same location it was prior to removal. Secure the small pin in place using a new cotter pin and bend its tabs outward.
- 5. Reinstall Long Pin and Washers:** Reinstall the bottom long pin. Secure the long pin using a new cotter pin, bending the tabs outward.

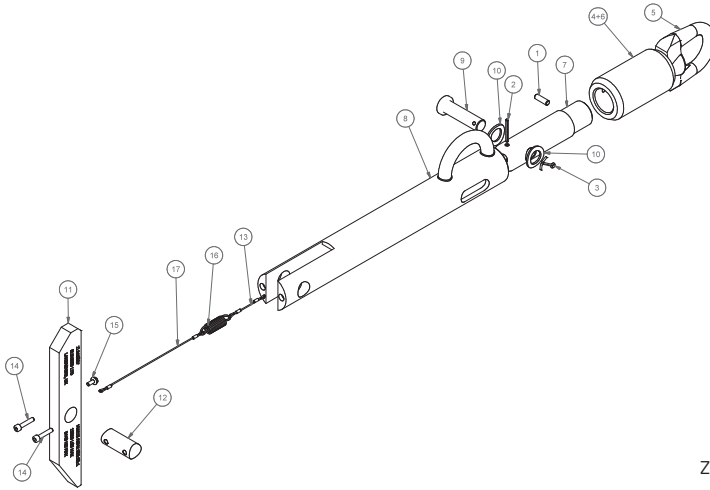
TESTING

All new Slingco Reel Lifters are load tested to 125% of the working load limit as required by ASME B30.20. If the reel lifter has been repaired, the reel lifter must be retested to 125% of the working load to certify the unit for service. The test must include the following:

- Hoist the load a sufficient distance to ensure the load is supported by the reel lifter or tested using a machine.
- Develop the appropriate forces.
- Tested in the configuration that corresponds to the maximum forces that are expected.
- Tested as a complete assembly.
- Inspection for deformation, cracks, or other damage after the test.

Each Slingco Reel Lifter has been designed and tested in accordance with the requirements of EN 13155 and ASME B30.20, exceeding the minimum ultimate test load of 3 times the working load limit (WLL).

PARTS GUIDE



ZLD10807 shown

Item	Description	Quantity
1	Set Screw	1
2	Roll Pin	1
3	Cotter Pin	1
4	Cap Screw*	1
5	Eye Nut	1
6	Collar	1
7	Connector	1
8	Main Body	1
9	Top Long Pin	1
10	Curved Washer	2
11	Toggle Bar/Lever Arm	1
12	Bottom Long Pin	1
13	Short Cable Assembly	1
14	Cap Screw	2
15	Bolt	1
16	Extension Spring	1
17	Long Cable Assembly	1
Spare parts kit		
ZLD09708	3,000 lb (1,360 kg) Repair Kit for ZLD08729**	1
ZLD09707	5,000 lb (2,268 kg) Repair Kit for ZLD09186**	1

NOTE: Parts Guide shown in a general configuration for clarity only. Parts vary across product family. Some parts may not be available as a spare parts kit.

*Part not shown.

**Repair kits come with extension springs, cable assemblies, and all necessary replacement cotter pins to replace the interior cable system.

WARNING LABELS

Slingco's reel lifters are provided with the label shown below affixed to the product. This label should be saved and kept with the product. If the label is missing, damaged, or unreadable, remove the reel lifter from service until the label is replaced. This manual should be made available to all personnel.



TRANSPORT AND STORAGE

TRANSPORT

The reel lifter should be transported in a secured section of the truck with the toggle bar stored within the main body. This includes but is not limited to storage compartments and toolboxes.

STORAGE

For short term storage (periods shorter than 1 month), the reel lifter can be stored in a secured compartment or toolbox in the truck or in the desired location. The reel lifter **SHOULD NOT** be stored in a humid environment.

For long term storage (periods longer than 1 month), the reel lifter should be stored in a temperature and humidity controlled environment and out of direct sunlight.

DISPOSAL

At the end of its service life, the reel lifter should be disposed of in accordance with local laws and regulations.

Date	Serial number	Inspector's name/ signature	Inspection Type (Frequent/ Periodic)	Findings / Comments (Note any deficiencies)	Status (Pass/Fail)



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