

User Guide

Single Leg Chain Sling



Product Information

Overview

The Conquip Single Leg Chain Sling is a high weight capacity, extremely durable chain sling, used for lifting materials and equipment by crane, or similar lifting apparatus.

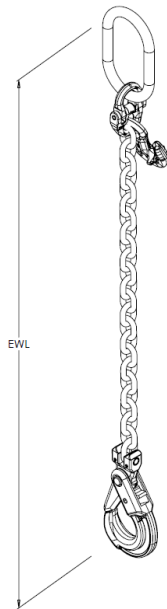
Key Benefits

- Fully certified to all required lifting standards and regulations.
- Can be supplied with shortening hooks to enable the reach length to be adapted.
- Available with single ended self locking hook or double ended self locking hook.
- A variety of chain grades and lengths available, providing a large range of capacities.

Product Information

Specification

Item	Product Code
Single Leg Chain Sling	CO1-10-1ZX8
Single Leg Chain Sling	CO1-13-1ZX8
Single Leg Chain Sling	CO1-16-1ZX8
Single Leg Chain Sling	CO1-10-1ZD8
Single Leg Chain Sling	CO1-10-1AD8



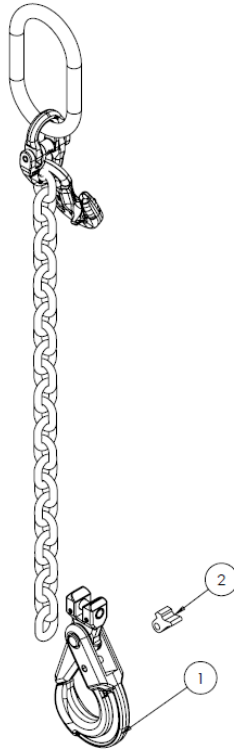
¹Working Load Limit

Product Code	Connectors	EWL ²	Chain Diameter	WLL ¹	Grade
CO1-10-1ZX8	Single Self Locking Hook	1000mm	10mm	See page 5	8
CO1-13-1ZX8	Single Self Locking Hook	1000mm	13mm		8
CO1-16-1ZX8	Single Self Locking Hook	1000mm	16mm	See page 5	8
CO1-10-1ZD8	Double Self Locking Hook	1000mm	10mm		8
CO1-10-1AD8	Double Self Locking Hook with Shortener	1000mm	10mm		8

Product Information

Parts Diagram

Single Leg Chain Sling



NOTE: These parts are for this model, they may differ for previous versions. Please contact Conquip with any queries.

Item Number	Part Number	Description	Quantity
1	HO320-00010	Clevis Self Locking Hook 10mm	Single 2 Double 4
	HO320-00013	Clevis Self Locking Hook 13mm	
	HO320-00016	Clevis Self Locking Hook 16mm	
2	ZZ470012	Clevis Self Locking Hook 10mm	
	ZZ470013	Clevis Self Locking Hook 13mm	
	ZZ470014	Clevis Self Locking Hook 16mm	

Original Working Instructions

Usage Instructions

Important Usage Notes

- The Conquip Single Leg Chain Sling should be inspected by a responsible person before each use. If a defect is found, do not use, please contact Conquip for a repair or replacement.
- Grade 8 chain slings should not be used in or near acidic or caustic solutions due to the risk of hydrogen embrittlement.
- Never tie knots in the chain and always make sure the chain is free from twists before putting it under tension.
- If the chain has to pass around a sharp corner of the load, use suitable packing to give the chain protection.

Connecting the Load

1. When using the Single Leg Chain Sling, connect the self locking hook/s to the lifting points of the load, or, as appropriate, loop the chain through the lifting points or around the load and connect the hooks to the chain links.
2. Ensure the self locking hooks are fully closed before lifting.

Balancing the Load

1. When lifting a load, ensure it is correctly connected and balanced before transporting.
2. To ensure a level lift, the hook connected to the load should be at the load's centre of gravity.
3. The reach of the chain can be adjusted using shortening hooks. Ensure that the hooks are fully closed before lifting.
4. Carry out a test lift before transporting by lifting the load just clear of the ground. If the load shifts, land the load and re-position the sling.

Controlling the Load

1. It is advised that slingers should attach a tag line to the load control movement of the load during the lift.

Original Working Instructions

Usage Instructions

Landing the Load

1. Ensure the landing area is prepared and ready to receive the load before lifting and transporting the load.
2. Never lower the load onto the chain.

Chain Sling Storage

1. When lifting operations are complete and the Single Leg Chain Sling is free of any load, ensure the chain is clean, ready for the next use and store on a Conquist Chain Storage Rack to prevent damage.

Working Load Limits

Grade 80 Chains

Chain Size	Single Leg	Choke Hitch	Endless	Two Leg		Two Leg Choke Hitch		Three and Four Leg	
				0-45°	45-60°	0-45°	45-60°	0-45°	45-60°
7mm	1.5	1.2	2.5	2.1	1.5	1.7	1.2	3.1	2.2
8mm	2.0	1.6	3.1	2.8	2.0	2.2	1.6	4.2	3.0
10mm	3.15	2.5	5.0	4.25	3.15	3.4	2.5	6.7	4.75
13mm	5.3	4.2	8.5	7.5	5.3	6.0	4.2	11.2	8.0
16mm	8.0	6.4	12.5	11.2	8.0	9.0	6.4	17.0	11.8
20mm	12.5	10.0	20.0	17.0	12.5	13.7	10.0	26.5	19.0
22mm	15.0	12.0	23.6	21.2	15.0	17.0	12.0	31.5	22.4
26mm	21.2	17.0	33.5	30.0	21.2	24.0	17.0	45.0	31.5
32mm	31.5	25.2	50.0	45.0	31.5	36.0	25.2	67.0	47.5

Original Working Instructions

Safety Instructions

Basic Safety

A site-specific Risk Assessment, and lift plan where applicable, must be completed by the responsible person before using this equipment to control risks, produce a safe system of work and ensure safety for you, your colleagues and others. Your risk assessment will determine the correct Personal Protective Equipment (PPE) for the task you are doing. You must use it. Conquip recommends that you should wear:

- Suitable clothing
- Gloves
- Hard hat
- Protective footwear (steel toecaps)
- Safety glasses



Important Safety Notes

- Read these instructions before using this equipment. If there is anything you do not understand or if you have any concerns do not use this equipment. Contact your supervisor or Conquip Engineering Group for advice.
- You must check that you have considered all the safety requirements for the task you are doing and that this equipment is suitable.
- You must protect bystanders and the general public by preventing access to the working area.
- Do not use this equipment if you are tired, unwell or under the influence of alcohol or drugs. If you are taking any medicine or undergoing treatment you should inform your supervisor.

Usage & Transportation

- Never unevenly load this equipment.
- The weight of the equipment, together with its attachments, must be added to the weight of the load when calculating the total load that will be imposed on the lifting apparatus / operating machine.
- This equipment must be used in conjunction with the load ratings of the lifting apparatus / operating machine. (Refer to the manufacturers' load ratings and original working instructions).
- Make sure you know how to use this equipment and understand all aspects of its operation in case of emergency.
- This equipment weighs more than 25kg. Do not lift or manhandle without machine assistance.
- Do not operate this equipment near overhead power lines.
- Take care in confined spaces, near ceilings or similar hazards. This equipment was designed for vertical lifting. Do not drag, or swing.
- Before operating this equipment, check that you have enough space for you to work safely and make sure that the working area is clear of hazards, obstructions and personnel.
- Before lowering equipment make sure that the landing zone is clear and capable of accepting the size and weight of the load.
- Crush Risk. Keep hands and feet clear of the equipment at all times to avoid injury.
- Do not exceed the maximum Working Load Limit (WLL) shown on the serial plate. Ensure that the WLL on the individual lift points is not exceeded.
- Before lifting, check that the load is secured, balanced and stable. Allow space for the equipment to move if the load shifts.

Personnel

- All personnel must wear relevant personal protective equipment.
- Do not wear loose clothing or jewellery and tie back long hair to avoid becoming tangled or trapped in this equipment. You must make everyone in the work area aware of what you are doing.
- All personnel involved in the lifting operation must be competent to do so and must have been briefed in conjunction with this User Guide available from Conquip Engineering Group, the manufacturer.

Equipment Maintenance & Cleaning

- It is mandatory that the equipment is thoroughly examined regularly, by a qualified engineer, to ensure compliance with relevant regulation/s. (Conquip recommend to carry out thorough examination every six months).
- This product may incorporate various loose and detachable items of lifting gear. Refer to the separate requirements for the safe use of those items.
- When not being used, store the unit in a clean, upright condition and in a safe place where it will be protected from thieves and unauthorised users.
- This equipment must be inspected by the responsible person before each use and then regularly, as determined by your risk assessment or working practice. If you have any concerns about condition or suitability do not use.

Disclaimer

Warranty

The products supplied by Conquip Engineering Group are all guaranteed by a 12 month warranty.

Apart from where exceptions apply, Conquip Engineering Group promises to repair or replace any fault which the Company considers to be due to defective material or workmanship within 12 months of the date of sale, at no additional cost.

- Faults arising from unauthorised alterations (see modifications section below for full details).
- Damage caused by abuse, neglect, misuse or falling.
- Damage caused because of failure to follow transportation, storage, loading, cleaning or operating instructions.
- Replacement or repair of components due to fair wear and tear.
- Any consequential damage or wear arising from the use or fitting of additional or non-standard parts.

Modifications

If any third-party modifications or alterations, involving drilling, welding, cutting or distortion of materials in any form, are to be carried out on the product, Conquip Engineering Group must provide full written approval prior to the work being carried out.

Alterations, modifications, additions or repairs must be carried out by Conquip Engineering Group's recognised distributors, if they are not carrying out the work themselves.

Conquip Engineering Group operate a continuous improvement policy and therefore reserve the right to alter technical specifications and user guide details at any point without notice.

Conquip Engineering Group will not cover or reimburse any transportation and/or shipment costs to and from their premises or their recognised agents, or any material and/or labour costs for repair, replacement or assessment against a warranty claim.

Conquip Engineering Group and/or their directors, employees, insurers or recognised agents will not be held liable for consequential damages, losses or expenses relating to the inability to use the product correctly for its purpose.

Important Notes

- This User Guide is for this Conquip product only.
- Any movements of the product must be thoroughly planned before the work commences to identify potential hazards and assess risk.
- All personnel involved in lifting and transportation of this product must have read this User Guide and must be properly briefed.
- You must be competent, alert and medically fit when using this equipment. If you have a medical condition, a mental or physical disability, you must seek advice from a medical professional before using this equipment.

Talking to us is easy

We're here to help

Call us on 0800 116 076

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www.conquipgroup.co.nz