

User Guide

4 Leg Chain Sling



Product Information Overview

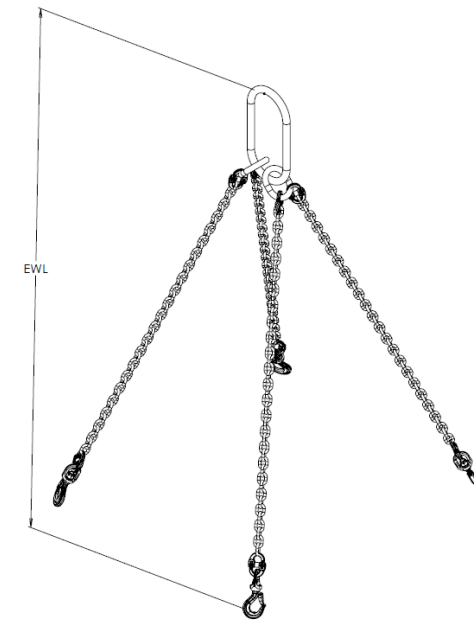
The Conquip 4 Leg Chain Sling is a durable, hard wearing, high weight capacity lifting chain sling with 4 chain legs, used for lifting materials and equipment with multiple lift points by crane, or similar lifting apparatus. Each chain is connected by one central master link and the ends are fitted with self-locking hooks.

Key Benefits

- Fully certified to all required lifting standards and regulations.
- Supplied with shortening hooks to enable the reach length to be adapted.
- A variety of chain grades and lengths available, providing a large range of capacities.

Product Information Specification

Item	Product Code
4 Leg Chain Sling 8mm 4m	CF4-8-1AX8
4 Leg Chain Sling 10mm 4m	CF4-10-1AX8
4 Leg Chain Sling 13mm 4m	CF4-13-1AX8
4 Leg Chain Sling 10mm 6m	CF6-10-1AX8
4 Leg Chain Sling 13mm 6m	CF6-13-1AX8

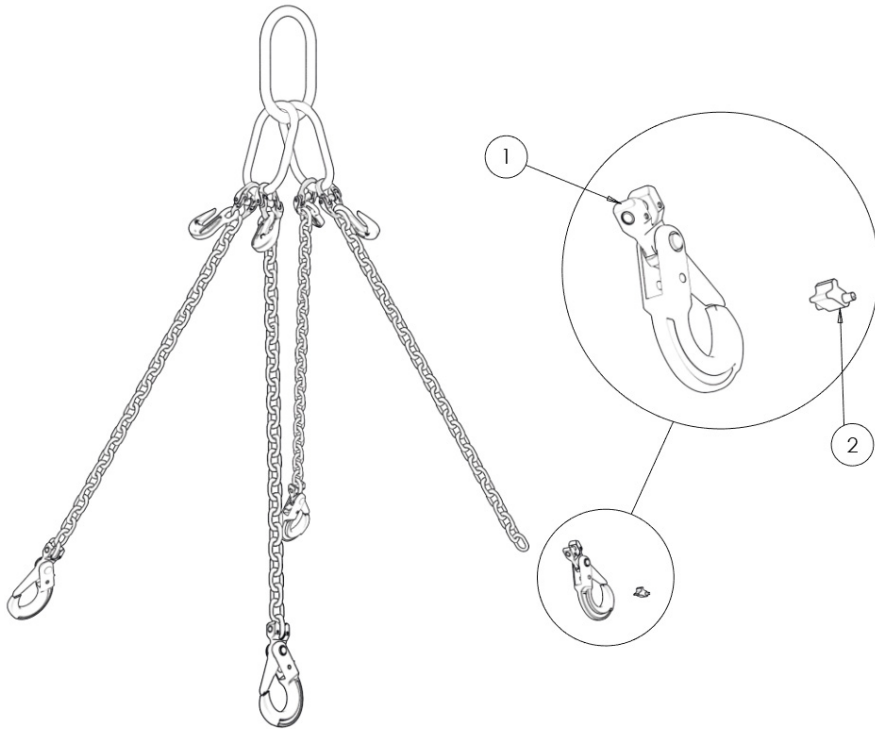


¹Working Load Limit ²Effective Working Width

Product Code	EWL ²	Chain Diameter	Weight	WLL ¹	Grade
CF4-8-1AX8	4000mm	8mm	4200kg		8
CF4-10-1AX8	4000mm	10mm	6700kg		8
CF4-13-1AX8	4000mm	13mm	11200kg	See Page 7	8
CF6-10-1AX8	6000mm	10mm	6700kg		8
CF6-13-1AX8	6000mm	13mm	11200kg		8

Product Information
Parts Diagram

4 Leg Chain Sling



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

Item Number	Description	Quantity
1	Clevis Self Locking Hook for 8mm	4
	Clevis Self Locking Hook for 10mm	
	Clevis Self Locking Hook for 13mm	
2	Self-Locking Latch Kit for 8mm	4
	Self-Locking Latch Kit for 10mm	
	Self-Locking Latch Kit for 13mm	

Original Working Instructions
Usage Instructions

Important Usage Notes

- The Conquip 4 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. Once lift plan has been carried out use the 4 Leg Chain Sling in accordance with this.
2. Connect the self locking hooks to the lifting points of the load, and or, as appropriate, loop the chain through the lifting points and connect the hooks to the chain links.
3. Ensure the self locking hooks are fully closed before lifting, and the hooks are facing outward, and the hooks are facing outwards.

Balancing the Load

1. When lifting a load, ensure it is correctly connected and balanced before transporting.
2. To ensure a level lift, the central master link should be vertically above the centre of gravity of the load.
3. The reach of the chain can be adjusted using shortening hooks. Ensure that each chain leg is shortened to the correct amount, so the central master link is above the centre of gravity of the load and 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.

Original Working Instructions Usage Instructions

Controlling the Load

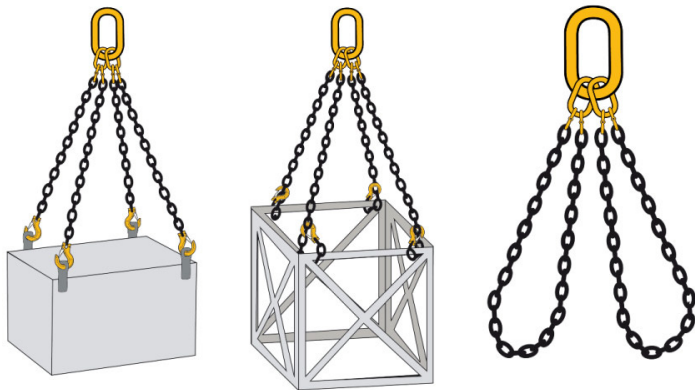
1. It is advised that slingers should attach a tag line to the load control movement of the load during the lift.

Landing the Load

1. Ensure the landing area is prepared and ready to receive the load before lifting and transporting the load.

Chain Sling Storage

1. Never lower the load onto the chain. When lifting operations are complete and the 4 Leg Chain Sling is free of any load, ensure the chain is clean, ready for the next use, and store on a Conquip Chain Storage Rack to prevent damage.



Original Working Instructions Usage Instructions

Working Load Limit

Grade 8

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

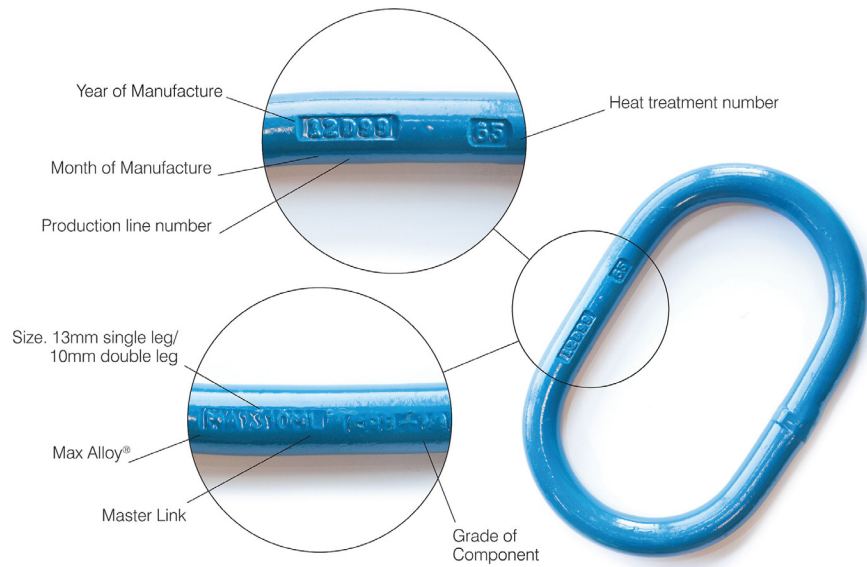
Grade 10

Chain Size	Single Leg	Choke Hitch	Endless	Two Leg		Three and Four Leg	
				0-45°	45-60°	0-45°	45-60°
6mm	1.4	1.12	2.2	2.0	1.4	2.9	2.1
8mm	2.5	2.0	4.0	3.5	2.5	5.3	3.8
10mm	4.0	3.15	6.4	5.6	4.0	8.4	6.0
13mm	6.7	5.3	10.6	9.5	6.7	14.0	10.0
16mm	10.0	8.0	16.0	14.0	10.0	21.0	15.0
20mm	16.0	12.8	25.6	22.4	16.0	33.6	24.0
22mm	19.0	15.0	30.4	26.5	19.0	40.0	28.0
26mm	26.5	21.2	42.4	37.1	26.5	55.7	39.8
32mm	40.0	32.0	65.0	56.0	40.0	85.0	60.0

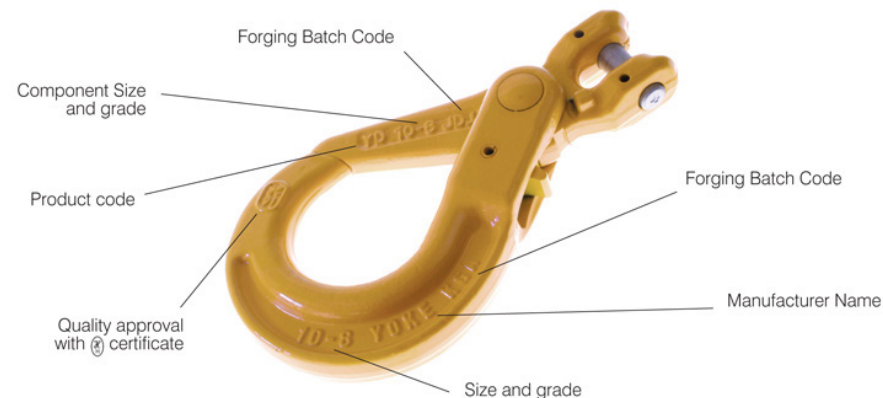
Component Information Chain Quality & Traceability

Welded Components

Batch markings for Master Links & Sub Assemblies



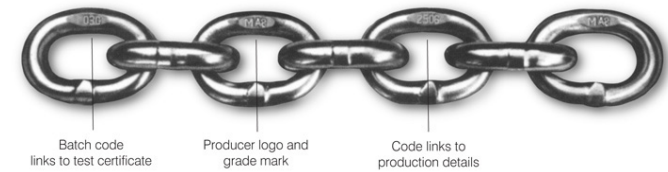
Forged Components



Component Information Chain Quality & Traceability

Grade 8 Short Link Chain

MA8 and batch traceability marks, the mark of Max-Alloy® quality grade 8 (T) chain, the grade that should always be used for sling or lifting appliances.



Chain Tabs



H-Stamp & Traceability Certification

Conquip Engineering Group has taken care to work with a supply chain that certifies that all Grade 80 short link lifting chain and components fully comply with both EN818 and EN1677. The suppliers place great emphasis on their quality and traceability systems and have gained DGUV (Deutsche Gesetzliche Unfallversicherung, German Social Accident Insurance) Type Approval for their products, quality systems and manufacturing processes. DGUV is the umbrella association of the accident insurance institutions for the industrial and public sectors, one of the most recognized certificate associations in Europe. This allows each supplier to use their unique H-stamp reference on the Grade 8 chain and the Grade 8 components which indicates compliance and type approval to DGUV.

DGUV test principles are in accordance with Directive 2006/42/EC. The test procedure also includes verification of the dimensions of individual samples, tensile tests, hardness test, bending test, test of heating resistance, test of the transverse stability, fatigue test, Charpy V notch impact test and stress corrosion cracking. With this comprehensive testing procedure and certification of both Grade 8 chain and components, ensures Grade 8 lifting chain and components supplied by Conquip Engineering Group contribute to a safest working environment.

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.

EC Declaration of Conformity

In accordance with EN ISO 17050-1:2004

Declaration: As defined by the Machinery Directive 2006/42/EC and subsequent amendments

We, CONQUIP ENGINEERING GROUP, herewith declare that the following indicated equipment meets the fundamental health and safety requirements concerning the EU guide line(s), due to their design and manufacture.

This declaration will be rendered null and void if the machine is changed without our approval.

Signed:



Dated: 2020

Garry Critchley, Managing Director

Product Code(s):	CF4-8-1AX8 / CF4-10-1AX8 / CF4-13-1AX8 / CF6-10-1AX8 / CF6-13-1AX8
EC Directive/ Regulation:	2006/42/EC, Lifting Operations and Lifting Equipment Regulations 1998 Provision and Use of Work Equipment Regulations 1998
Harmonised Standards:	BS EN 818-4
General Description/ Designation:	4 Leg Chain Sling – CF4-8-1AX8 / CF4-10-1AX8 / CF4-13-1AX8 / CF6-10-1AX8 / CF6-13-1AX8
WLL:	CF4-8-1AX8 = 4200kg CF4-10-1AX8 / CF6-10-1AX8 = 6700kg CF4-13-1AX8 / CF6-13-1AX8 = 11200kg

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 0333 300 3470

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