User Manual

Grab Hook GG and Grab Hook GG with Locking Pin

Grab Hook Grade 10 | Grab Hook Grade 10
GG-10-10 | GG-10-10 LP

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1 Introduction and EC declaration

This manual is an original instruction in accordance with:

Directive 2006/42/EC on machinery, section 1.7.4 Instructions and Annex II Declarations.

It also meets the requirements in:

Standard EN 1677-1:2000+A1:2008, Components for slings - Safety - Part 1: Forged steel components.

This manual is valid for the following products:

GG-6-10	GG-7-10	GG-8-10	GG-10-10
GG-13-10	GG-16-10	GG-20-10	GG-8-8 LP
GG-10-8 LP	GG-13-8 LP	GG-16-8 LP	

This manual is valid together with Gunnebo Industries' instruction for slings and lifting guide.

All manuals are continuously updated and are only valid in their latest version, which can be downloaded from www.kitocrosby.com.

1.1 EC declaration of conformity

The Engineering Manager is the authorized person to compile the technical file.

We declare that the lifting component described in this user manual fulfils all the relevant provisions of the Directive 2006/42/EC as a partly completed machine.

The main use of the product is to be incorporated as part of a CE-marked lifting assembly but must not be put into service until the final lifting assembly has been declared to be in conformity with the provisions of the Directive 2006/42/EC.

Our quality management system complies with ISO 9001:2015 and is certified by LRQA Sverige AB for and on behalf of Lloyd's Register Quality Assurance Limited (certificate identity number: 10140613).

Information about harmonized and national standards/technical specifications that apply, and the valid version of this user instruction are available at www.kitocrosby.com.

If the products are modified without approval from Gunnebo Industries, this declaration becomes invalid.

Växjö, December 2025

Fredrik Sandberg

Engineering Manager

1.2 Abbreviations

EC	European Commission
LRQA	Lloyd's Register Quality Assurance
WLL	Working Load Limit
LP	Locking pin

Table 1: Abbreviations

2 Safety precautions

2.1 Warnings, cautions and notes

Carefully read the instructions before using the lifting equipment.
The following signs are used in the instructions, to alert about potential dangers and safety related issues.

Warning!

A warning alerts about a situation which, if not avoided, could result in injury, or death.

Caution!

A caution alerts about a situation which, if not avoided, could result in minor or moderate injury, or damage to the equipment or other property.

Note!

Notes are added to give more information.

2.2 General safety precautions

The rigger is responsible for the lifting operation, and for following all related safety regulations.

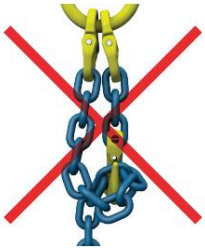
The rigger is a competent person, with the knowledge to select correctly dimensioned lifting equipment, and to ensure its safe condition.

Before each lifting operation, check that the lifting system parts and connecting parts are correctly attached to each other.

2.3 Lifting precautions

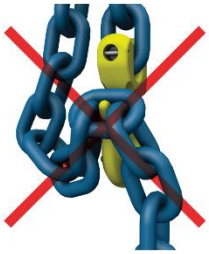
Warning!

Visual function check:
Use the Grab Hook in combination with the lifting chain to check that the chain is correctly engaged. This means that the chain link is resting horizontally at the bottom of the chain slot in the Grab Hook GG.



Warning!

Do not lift an object with the tip of the hook.



Warning!

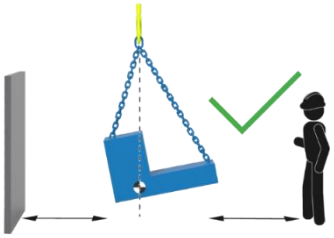
Do not insert any object in the chain slot other than a short link lifting chain.

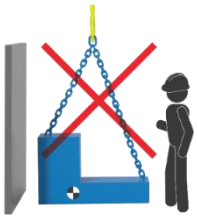
Warning!

Check that the chain connected to the load is not twisted.

Warning!
Side loading is not allowed on any lifting components. Side loading can cause the load to swing or cause the equipment to fail.

Note!
When lifting asymmetric loads, be aware of sudden movement of the load. Keep distance.





3 General description

All measurments shown in images, and technical data can be found on the website www.kitocrosby.com.

Figure 1: GG-10-10

Figure 2: GG-10-10 LP

Each Grab Hook GG is marked as follows:

- Manufacturer identification (GUNNEBO SWEDEN)
- Product name, size, material Grade 10
- Batch/traceability code
  The traceability code consists of letters and numbers that identify which plant the product was made in, the year and the batch. This enables tracing the product back through the manufacturing process, all the way back to the specific raw material.
- German professional worker association (BG H32)

Gunnebo Industries issue:

- manufacturer´s certificate according to EN 1677-1 and
- 3.1 material certificate acc. to EN 10204

The following standards apply for Grab Hook GG, Grade 10 and Grab Hook GG LP, Grade 10:

- EN 1677 (WLL+25%)
- ASTM A952/A952M
- AS 3776:2015

WLL refers to the maximum working load a lifting accessory or lifting assembly can be subjected to.

Authorized resellers may provide their own documentation and will be able to provide the original certificates upon request.

4 Intended use and restrictions

4.1 Intended use

The Grab Hook GG can only be used for lifting when the user has a valid certificate. Authorized resellers may provide their own documentation and will be able to provide the original certificates upon request.

- The Grab Hook GG is intended to shorten:
  - chain lifting slings (there is no WLL reduction of sling WLL due to use of Grab Hook)
  - lashing slings (to secure load during transport).
    Aymmetric loads can require different leg lengths. The Grab Hook GG is could also be part of a lashing sling to secure the load during transport.
- The Grab Hook GG can be used as an end component to hook back to the lifting chain leg to make a basket lift.
- The Grab Hook GG is available with and without the safety Locking Pin (LP). The Locking Pin secures the chain.
- Attach only Gunnebo short link chain of corresponding size and grade to the Grab Hook.

Grab Hook GG or Grab Hook GG LP - Example of assemblies

Figure 3: Lashing

Figure 4: Choke

Figure 5: Shortening

4.2 General limitations of use

- Never modify, repair, or reshape the product by welding, heating or bending as this will affect the nominal WLL.
- Do not heat-treat the product as this may affect the WLL.
- Do not galvanize or subject the product to any plating or coating process without approval of the manufacturer.
- Do not use the product in alkaline or acidic conditions.
- Do not expose the product to aggressive chemicals, such as acids, alkalines and their vapors.

4.3 Use in exceptionally hazardous conditions

The rating of lifting accessories in European Standards assumes the absence of exceptionally hazardous conditions.

Exceptionally hazardous conditions include offshore activities, the lifting of persons, and lifting of potentially dangerous loads such as molten metals, corrosive materials, or fissile materials.

In such cases a competent person should assess the degree of hazard and adjust the working load limit accordingly.

4.4 WLL reduction at elevated temperatures

The general service temperature is -40 °C/-40 °F to +200 °C/392 °F.

For temperatures higher than +200° C/392 °F, the following apply:

Service temperature	New load capacity in % of original WLL
200-300 °C 392-572 °F	90%
300-400 °C 572-752 °F	75%
> 400 °C > 752 °F	Not allowed

Table 2: WLL reduction at elevated temperatures

4.5 Fatigue

It is important to understand that fatigue failure can occur even if the prescribed WLL is not exceeded.

Scenarios in which the Grab Hook GG is subjected to variable load over a prolonged period of time, will carry the risk of fatigue. Consider this when dimensioning and deciding service intervals.

The Grab Hook GG is designed for a maximum of 20 000 load cycles.

4.6 Additional marking

If markings such as project code, and serial number are added, it must be done in a way that does not reduce the strength, corrosion resistance, or the legibility of the manufacturer's own marking.

The following methods are recommended for marking:

- marking tape
- engraving tool
- low stress punches

Figure 6: Recommended areas for punched or engraved marking

5 Instructions prior to use

Read and understand this manual before using the Grab Hook GG. Read the Safety precautions.

For further recommendations regarding safe use of the Grab Hook GG in sling applications, see Gunnebo Industries' instruction for safe use of slings and lifting guide. Download the Lifting guide and Instructions for sling at www.kitocrosby.com.

5.1 Verification prior to first use

Before first use ensure that:

- The Grab Hook GG is precisely as ordered.
- The manufacturer's certificate is in order.

5.2 Inspection prior to each use

Inspect the Grab Hook GG for obvious damage or deterioration before each use in accordance with local regulations.

Check also against the items listed under Inspection. If there is any doubt regarding meeting these criteria, do not use the Grab Hook GG for lifting operation.

5.3 Before loading

- Determine the weight of the load and the center of gravity.
- Check the conformity of the load with the WLL of the lifting equipment for the specific working configuration.
- Ensure that the Grab Hook GG has been correctly assembled in accordance with the Assembly instructions.
- Ensure that no obstacles obstruct the lift, and prepare the landing site.

6 Assembly

Only a qualified person may assemble the Grab Hook GG.

While the Grab Hook GG is incorporated as a part of a lifting sling, it must be part of the certification and WLL rating of the complete sling.

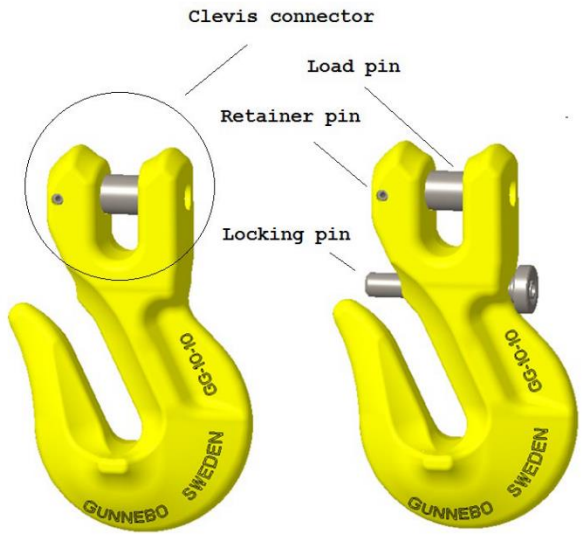


Figure 7: Grab Hook GG Grade 10 and Grab Hook GG LP Grade 10

6.1 Connect the Clevis Connector of the Grab Hook to the chain

- Verify that all markings are readable on the connected parts.
- Verify that the correct size and grade of chain are assembled.
  For Chain Hook size 10 and Grade 10, use Gunnebo chain KLA-10-10.

Prerequisites:

- A Hammer
- A load pin
- A retainer.

1. Put the chain in position.

2. Insert load pin.

3.	Secure the load pin with the retainer using a hammer.	
4.	Make sure both the load pin and the retainer pin are secured.	

Disassembly

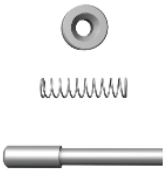
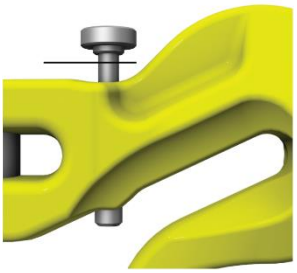
	Put the lifting compontent on a solid support. Position a pin tool smaller in diameter than the retainer. Tap gently to drive the retainer pin out of position.	

See www.kitocrosby.com for article numbers or the Gunnebo Industries Product Catalogue.

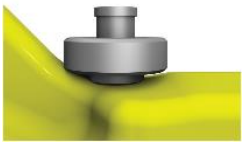
6.2 Spare parts

Replacement Locking Pin for Grab Hook GG LP.

6.2.1 Assemble spare parts

	Prerequisites: • Pin • Spring • Locking hat • Hammer	
1	Cut off the old pin to dismantle the pin from the Grab Hook.	

2	Put the spring on the slender part of the new pin.	
3	Insert the new pin into the Grab Hook, with the slender end of the pin facing towards the Grab Hook.	
4	Insert the rest of the pin into the Grab Hook. The slender side of the pin is now visible from the other side of the Grab Hook.	
5	Attach the locking hat on the slender side of the pin.	
6	Make sure the pin has a steady support.	
7	Tap the end of the slender pin lightly with a hammer. The tapping will make the pin expand and secure the locking hat in position.	
	Caution!	

	Make sure that the locking hat is securely attached to the pin. If the locking hat is not secured, the Grab Hook might fail.	
8	Secure the locking hat in position.	

6.3 Limitation

The Grab Hook GG is designed to be connected in the Clevis Connector with appropriate short link chain and load pin, grade and size. Do not use any other connecting part.

Check that the spring function of the retainer pin is working and that it secures the load pin. If it does not work, do not use the Grab Hook GG before it has been replaced.

7 Maintenance

When performing maintenance or inspection, always read and follow the Safety Precautions.

7.1 Inspection

During service, lifting equipment are subjected to conditions which affect their safety. Therefore ensure that the equipment is safe for continued use. See Safety Precautions.

Withdraw the Grab Hook GG from service and refer the product to a competent person for thorough examination if any of the following is observed:

- The Grab Hook GG markings are illegible.
- More than 10% reduction of dimension at any point.
- Cuts, nicks, gouges, cracks, excessive pitting or corrosion, heat discoloration, bends, distortion, or other defects.
- Only use the Grab Hook GG if the chain slot is parallel. See illustration below.

Figure 8: Chain slot is parallel

7.2 Examination

A competent person should thoroughly examine the product at least once every year. The inspection should be carried out more frequently if deemed necessary, taking into consideration the following points.

- Local, national, or branch-specific regulation.
- The service condition of the Grab Hook GG.
- Use in demanding environments (such as corrosive or extreme temperature).
- Use where the Grab Hook GG is subjected to repeated loads that may induce metal fatigue.

Maintain records of examinations. Before examination, clean the product so it is free from oil, dirt, and rust.

Any cleaning method which does not damage the parent metal is acceptable. Methods to avoid are those using acids, overheating, removal of metal or movement of metal which may cover cracks or surface defects.

See also Safety Precautions.

7.3 Repair

A competent person with relevant knowledge and technical skills must do the repairs. The product shall only be returned to service after approval by a designated person.

Maintain records of repairs.

Any replacement component or part of the Grab Hook GG should be in accordance with the appropriate European Standard for that component or part. Use only original Gunnebo spare parts.

Discard or replace components that are cracked, visibly distorted or twisted, severely corroded or have deposits which cannot be removed.

Remove minor damage such as nicks and gouges by careful grinding or filing. The surface should blend smoothly into the adjacent material without abrupt change in the section. The complete removal of the damage should not reduce the thickness of the section at that point to lesser than the manufacturer's specified minimum dimensions or by more than 10% of nominal thickness of the section.

7.4 End of use/Disposal

Recycle as general steel scrap.