

Operation Manual

The Grid Hook – Gold A Walkway Grating Lifting Device

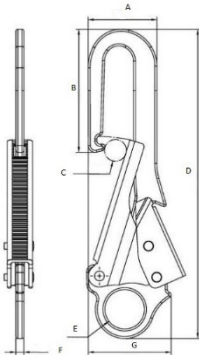
READ THIS MANUAL BEFORE USING THIS
PRODUCT.



This manual contains important safety, installation
and operation information.

The Grid Hook – Gold with the European Standards EN 13155
For Cranes – Safety – Non Fixed - Load Lifting Attachments

1 Materials and Measurements



The Grid Hook – Gold is made of SAE 4130 Grade Alloy Steel. This material is chromium-molybdenum steel with 1% molybdenum/chromium by mass with an included 0.30% carbon. 4130 Alloy steel is low-alloy steel that has good strength, toughness, as well as good atmospheric corrosion resistance.



Table 1: Grid Hook - Gold Dimensions

	A	B	C	D	E	F	G
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
	53 + -1	90.5 + - 1	16 + - 1	227 + - 1	29 + - 1	6 + - 1	61 + - 1

The Grid Hook – Gold requires Inspection before placing into service and before each use.



WARNING

To avoid serious injury or death:

Do not operate unless trained in use of this product

If you side load this device you must de-rate the lifting capacity of this device

Do not exceed WLL or lift objects that are not intended

Do not operate a damaged or malfunctioning unit

Do not lift people or suspended loads over people

Do not operate without understanding the operation manual

Do stay clear of the suspended load

Do not make alterations to this device

OPERATION INSTRUCTION

2 Application



The Grid Hook – Gold was purposely designed for the safest way to lift steel walkway grating or grid mesh in the oil and gas and mining construction industries.

To Connect the Grid Hook – Gold to the grating or mesh can be easily achieved with one hand. This lifting device can be applied for diagonal and lateral loadings.

A video showing this being done is on our website www.gridmeshlifters.com



2.1 Connecting to Grating

The Grid Hook – Gold is a double action locking snap hook. Which consists of a primary and a secondary locking gate. The secondary locking gate locks the primary gate closed.

The Grid Hook – Gold is best gripped with the thumb and /or web of the hand pressing the secondary gate. This action allows the primary gate to be opened.

Then with the fingers pressing the primary gate it will open allowing you to connect the Lifter to the grating.

Note: The licorice bar or twisted rod part of the walkway grating is not the best or preferred lifting point. It is recommended to place the Grid Hook - Gold on the flat bar to lift the grating.

3 Lifting Instruction and Safety Advice

The Grid Hook – Gold is constructed in a way that an unintended dislodgement of the grating (even without tension on the lifting device) is impossible. On lifting, attention must be paid that the side loading of the lifter and the direction of tension.

When side loading any lifting device, the lifting device must be derated by 50% (Any lifting device, including The Grid Hook).

It is recommended to write into the Standard Operating Procedures that the minimum number of Grid Hooks to lift walkway grating or mesh is two. This reduces the temptation to side load the Grid Hook and damage the Lifter. It also gives greater stability and keeps the grating in a flatter position.)

The particular accident prevention regulations must be taken into account in order to extend a higher durability. The right number of hooks to be used and best practices considered and applied should be considered in the risk assessment.

One Grid Hook lifter would be ok for use on stair treads and small grating.

Two Grid Hook Lifters should be used on grating 500 mm² and above. Although two lifters are enough and within the correct load limit, a third lifter would make the grating lift flatter for installing.

Three or four Grid Hook Lifters should be use for grating over 1m² and this keeps the grating in a flatter position.

The Grid Hook – Gold is a lifting device and is therefore subject of a quarterly inspection and tagging. This inspection must be executed by an expert and is the responsibility of the user.

INSPECTION REQUIRED BEFORE USE

Inspections required per EN 13155

Inspection Records (when required)

Inspections are the responsibility of a qualified person designated by the owner. Dated inspection reports shall be maintained for the service life of the product. They are to be filed by the serial number stamped into the unit and made available for inspection at any time.

If any fault is discovered, during any inspection, then the unit shall be taken out of service and quarantined. A qualified person shall then make determination of repair or disposition.

Initial inspection of new unit or a unit that has not been in use for more than 1 month is required prior to use and must be recorded. The inspection shall consist of:

- a) Load test, of new units, is not required as they were tested at the manufacturing factory before they are sold. The test certification supplied should be filed with the initial inspection report. The date of the initial inspection report will become the start date for entering a new unit into service and determining timing of future periodic inspections.
- b) Initial test, of units returned to service after inactivity of more than one month, does not affect the date of the next periodic test as previously scheduled.
- c) Visual inspection of parts to determine that they are free of corrosion, debris and can operate as intended.
- d) All fasteners are in place and tight.
- e) All markings are on the unit and legible.

Frequent inspection is required before each use but not required to be recorded. It is to be performed by the operator or other designated persons.

The following items shall be inspected by the operator or designated persons before and/or during every lift for any indication of damage as specifically indicated, including observations during operation for any damage that might occur during the lift:

- a) Visual inspection of parts to determine that they are free of corrosion, debris and can operate as intended.
- b) All fasteners are in place and tight.
- c) All markings are on the unit and legible.
- d) Deformation, cracks, or excessive wear on any part of the lifter.
- e) Continual observation during use for any damage that might occur during the lift:

Periodic inspection is recommended annually as a minimum and must be recorded. Periodic Inspection may be required more often as determined by severity of service or as experience dictates. Consult EN 13155 for determination of service and instruction.

Periodic inspection is also required for repaired units prior to being placed into service.

- a) Inspect for a), b), c) and d) requirements of Frequent Inspection
- b) Load test to not more than 125% of WLL. During which confirm function is as intended. After the test load is released inspect again for requirements of a).

LIFETIME LIMITED WARRANTY ON MODEL S-3608L GRID HOOK - GOLD

We make every effort to assure that our products meet high quality and durability standards and we warrant to the original consumer of the product that each is free from defects in material and workmanship as follows:

This warranty does not apply to defects due directly or indirectly to misuse, negligence like side loading or accidents, repairs or alterations outside our facilities or to a lack of maintenance. The warranty begins with the date of purchased from an authorized Just Persevere dealer by the original user. Please retain your dated sales receipt as proof of purchase to validate the warranty. Except as stated herein, any implied warranties or merchantability and fitness are excluded. Just Persevere shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special or consequential damages arising from the use of our products. Some states do not allow the exclusions or limitation of incidental or consequential damages; hence the above limitations or exclusions may not apply to you. To take advantage of this warranty, the product must be returned for examination, postage prepaid to an authorized service station. Proof of purchase date and an explanation of the complaint must accompany the product. No returns will be accepted without prior authorization obtained through an Just Persevere dealer. If our inspection discloses a manufacturing defect, we will either repair or replace the product or refund the purchase price, if we cannot quickly provide a repair or replacement, if you are willing to accept such a refund. We will return repaired products or the replacement at our expense, but if we find that there is no defect, or that the defect resulted from causes not within the scope of this warranty, then the user must bear the cost of returning the product. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state and county to country.

Typical issues caused by misuse that are not covered by warranty:

- Missing or sprung attachment eye
- Bent or damaged lever
- Missing parts
- Corrosion
- Worn, deformed or stretched parts
- Bent through side loading the device
- Wear from normal use

Specifications and dimensions listed on the Just Persevere website or in printed materials are provided as general information and are not binding. Just Persevere reserves the right to alter equipment, parts, fittings, or accessories without prior notice for any reason.

This manual, parts list, catalog and other product information is available from:
www.gridmeshlifters.com