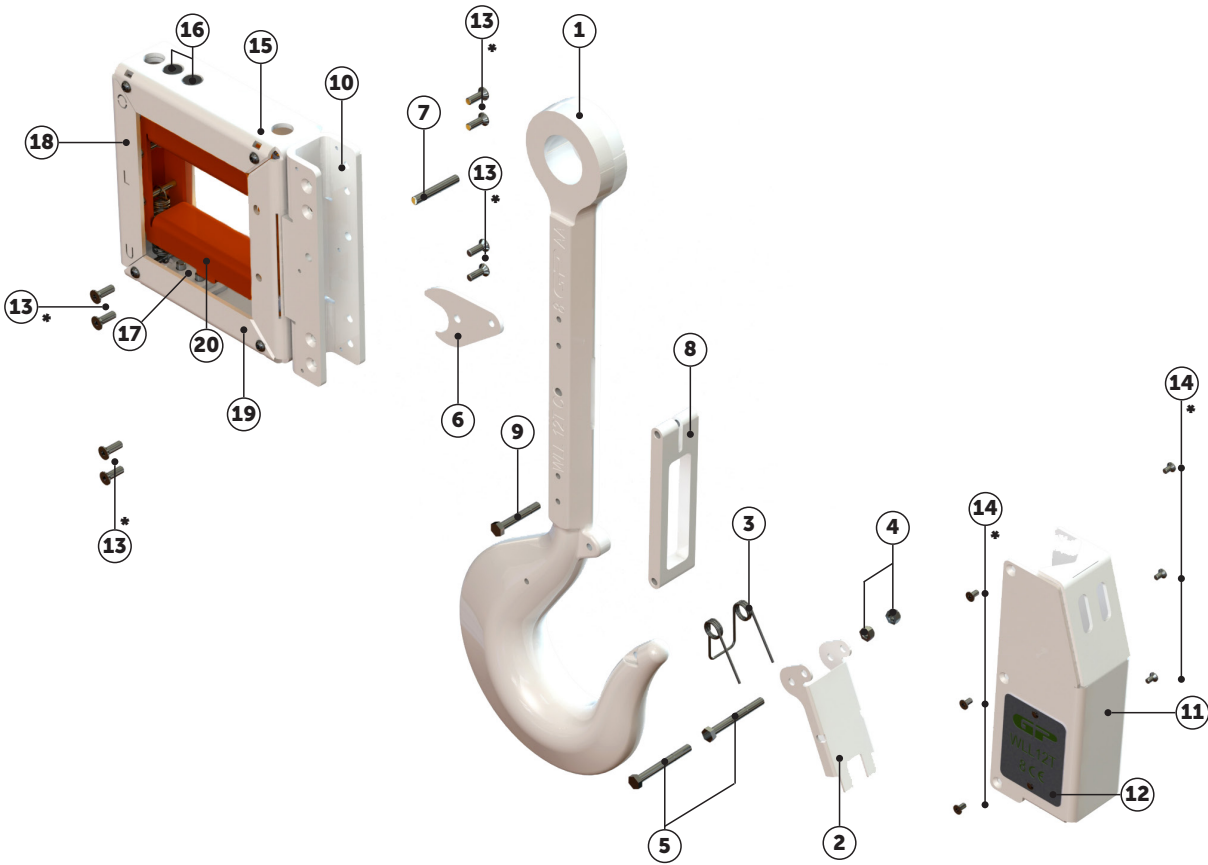


Assembly Instructions

Green Pin® ROV Pro Shank hook (P-6740P)



Item No.	Part description	Qty
1	Hook	1x
2	Latch	1x
3	Spring	1x
4	DIN 985 Hexagon Nut	2x
5	DIN 931 Hexagon Bolt	2x
6	Toggle	1x
7	Toggle Pin	1x
8	Link	1x
9	DIN 931 Hexagon Bolt	1x
10	Connection Bracket	1x
11	Front Cover	1x
12	Name Plate	1x
13	ISO 10642 Countersunk Head Screw	8x
14	ISO 10642 Countersunk Head Screw	6x
15	Latch Operation Kit (LOK) (complete assembly)	1x
16	ISO 10642 Countersunk Head Screw	4x
17	Plate Nut	2x
18	Back Frame	1x
19	LOK Frame	1x
20	Slider	1x
*	LOCTITE 243 on the threads of 13 and 14.	14x



Assembly Instructions

(Dis)assembly of Components

Front cover disassembly

1. Remove the six countersunk screws (14).
2. Remove the front cover (11).
3. Inspect all parts for wear and damages.
4. If all parts are free of wear and damages, the Green Pin® ROV Pro Shank Hook front cover can be reassembled. Keep in mind, when the front cover is removed, the toggle pin (7) can fall out.

Front cover assembly

1. Check if the toggle pin (7) is assembled correctly.
2. Place the front cover (11) onto the hook, with all six holes of the front cover being aligned with the screw holes present in the connection bracket (10).
3. Screw in the six screws (14) (with Loctite 243 when needed).
4. Check if the hooks functions properly after reassembling the front cover.

Back Frame disassembly

1. Remove the four countersunk screws (16).
2. Remove the plate nuts (17) that keep the back cover (18) in position.
3. Remove the back cover (18) from the LOK frame (19). Please make sure you do not loose the guiding wheels when removing the back cover (18).

Now the components such as guiding wheels, springs, slider and adjuster can be inspected and cleaned. For example: to check the adjuster, the complete slider can be pulled back out of the kit.

Back Frame assembly

When all parts of the Latch Operation Kit (LOK) are inspected and installed correctly, follow the next steps.

1. Place the back cover (18) into the LOK frame (19).
2. Install the lock pin to lock the slider in Open Latch position (O).
3. Place the plate nut (17) in the lower part of the LOK frame (19).
4. Screw both countersunk screws (16) into the plate nut (17) not tightned completely.
5. Remove the lock pin and lock the slider in Unlock Latch position (U).
6. Place the plate nut (17) in the upper part of the LOK frame (19).
7. Screw both countersunk screws (16) into the plate nut (17) not tightned completely.
8. Remove the lock pin and make sure the slider can move up and down correctly.
9. Tighten all screws and check the slider movements again.

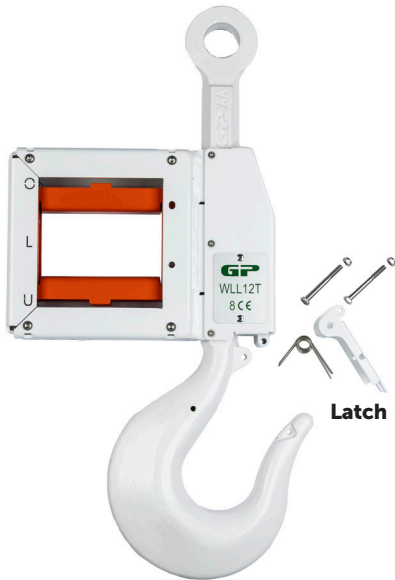
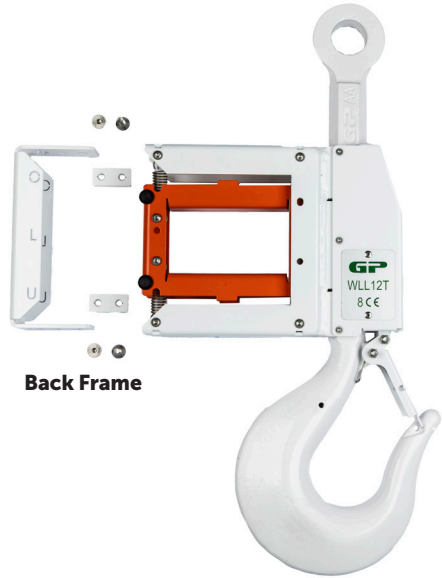
Latch disassembly

1. Unscrew the nut (4) from the bolt (5) that connects the link (8) to the latch (2), and remove the bolt (5).
2. Unscrew the nut (4) from the bolt (5) that connects the latch (2) to the hook (1), and remove the bolt (5).
3. Remove the complete latch including the spring (3).

Latch assembly

1. Place the spring (3) with the two loose legs onto the back of the latch (2), with the eyes of the spring (3) aligned to the eyes of the latch (2).
2. Place the spring (3) and latch (2) onto the hook (1), eyes aligned with the eye of the hook nose.
3. Assemble the bolt (5) into the latch (2) all the way through both eyes of the latch (2).
4. Assemble the nut (4) onto the bolt (5) to secure the bolt (5).
5. Test the latch (2) if it can open and close.
6. Attach the link (8) to the latch (2) again with the bolt (5) and nut (4).

Ensure that after (dis)assembling all components, the hook functions properly. Checking its operation in all positions of the slider provides a good indication of proper functionality.



Assembly Instructions



Green Pin® ROV Pro Shank Hook Assembly Instructions



Take no risks.
Choose
Green Pin®

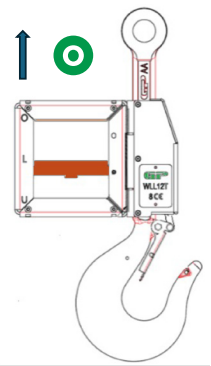
greenpin.com



Functions: Open latch, Lock latch, Unlock latch (OLU)

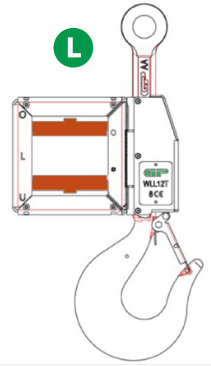
Open latch (O)
This position could be used to release loads

When the slider (orange) is pushed upwards, the latch of the hook will open. When the slider is released again, the latch will be closed and locked automatically again.



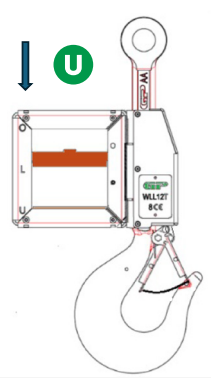
Lock latch (L)
The latch is locked automatically by the slider system

When the slider is in its neutral position (the slider is automatically positioned in centre of the Latch Operation Kit) the latch is locked. When the slider is not manipulated the springs attached to the slider ensure that the slider is kept in this position (during movement of the hook).



Unlock Latch (U)
This position could be used to retrieve loads

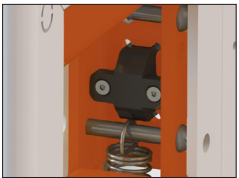
When the slider (orange) is pushed downwards, the latch will be unlocked and the latch will function as a regular hook latch. When the slider is released, the latch will be closed and locked automatically.



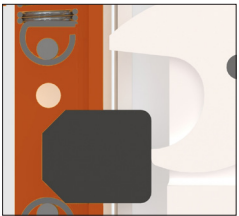
In the unlock position the hook can be snapped on counter products like shackles and master links. As the latch is spring loaded, the latch will close itself after snapping it onto a counter product. When releasing the slider, the latch will be locked automatically.

Extra options

Adjuster
In the slider an adjuster is installed. The adjuster is present to ensure that the latch is locked correctly in neutral position. By tightening the bolts of the adjuster, the adjuster moves towards the toggle. When the adjuster is flush with the toggle, the setting is correct.



When the space between these components becomes too large, the adjuster must be tightened again, to make sure the latch is correctly locked in the locked position of the slider.



Be aware! Tightening the adjuster too much, could cause the slider blocking the toggle's movement. This causes the toggle being blocked from moving to the locked position automatically.

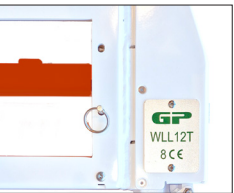
Double safety
It is possible to add a double security, by assembling an additional spring pin (spare part kit) into the hook tip to lock the hook latch. When the hook needs to be opened or unlocked, first this spring pin must be removed. Hereafter, the open latch (O) or unlock Latch (U) function can be used.



Additional lock pin
In the open position (O) it is possible to lock the slider with an additional lock pin (included in box) to keep the hook in open position. When this additional lock pin is removed, the latch will be closed and locked automatically.

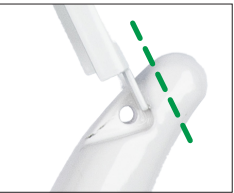


In the unlocked position (U) it is possible to lock the slider with an additional lock pin (included in box), to keep the hook in unlocked position. When this additional lock pin is removed, the latch will be locked automatically.



Hook tip
It is an option to remove the hook tip to have a smooth external surface that prevents unwanted snagging. Take the following points into consideration:

- removing the nose is a permanent modification.
- removal shall be done only by grinding or an equivalent type of operation.
- when grinding off the nose, excess heat input shall be prevented.
- the tip can be grinded off at the position of the green dashed line (as shown in the picture).
- sharp edges should be prevented,
- after removing the tip, the blank steel can be protected against corrosion by painting this surface.
- make sure the latch is still locked into the hook tip after this modification.

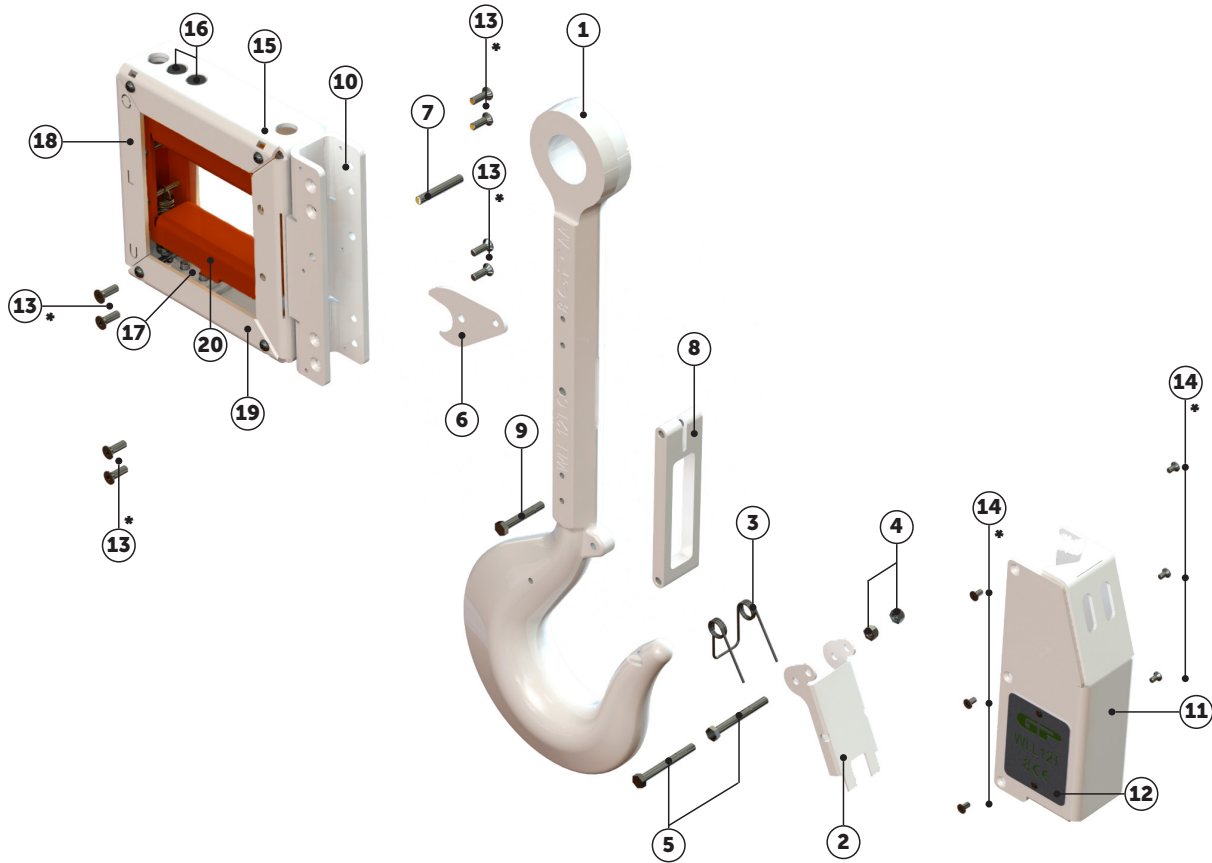


Inspection
It is required that Green Pin® ROV Pro Shank Hooks are regularly inspected, and that the inspection takes place in accordance with the safety standards given in the country of use. This is required because products in use may be affected by wear, misuse, overloading, etc. which may lead to deformation and alteration of material structure. Inspection should take place at least every six months and even more frequently when the hooks are used in severe operation conditions.

Regular maintenance
Visual inspection for damages, dirt and checking of the functionality of the hook shall be carried out prior to use. Green Pin® ROV Pro Shank Hook must be inspected regularly for proper functionality and damages, by a competent person. The holes in the Latch Operation Kit and front cover can be used to flush the hook with fresh water to remove dirt, after each use. Keep the hook in a good condition by lubricating it after rinsing and drying. For inspection it is possible to disassemble the hook front cover and back cover of the Latch Operation Kit.

Be aware! (dis)assembly of the Green Pin® ROV Pro Shank Hook shall be performed by (a) competent person(s) only.

Assembly Instructions



Complete LOK disassembly
It is possible to remove the complete Latch Operation Kit (LOK). This could be done for complete inspection and maintenance. Furthermore, when the LOK is not working properly, it is possible to remove the complete LOK. The hook without the LOK assembled on it, can still be used with its full WLL, in a similar way as the Green Pin® ROV Shank hook. Optionally, additional markings (on the shank) could be added to complete the markings again, as these may have been damaged by the drilled holes in the shank of the hook. Eyebolts, a steel wire rope (4 mm) and a sleeve are delivered with the hook as spare parts. This is to make sure that when the LOK is not functioning properly, the activities in the field do not need to be put on hold. By disassembling the LOK and installing the above mentioned components, the hook will be fully operational again.

1. Follow the steps of the disassembly of the front cover.
2. Unscrew the link (8) from the latch (2).
3. Remove the toggle pin (7).
4. Remove the toggle (6) together with the link (8).
5. Unscrew the connection bracket (10) by removing 8x countersunk screws (13).
6. Remove the complete Latch Operation Kit (15).
7. Assemble the eye bolts into the side of the hook (1).
8. Pull the wire rope (4mm) through the first eye bolt towards the latch (2).
9. Pull the wire rope through the holes in the middle of the latch (2).
10. Pull the wire rope through the second eye bolt.
11. Now position both ends of the wire rope into the sleeve.
12. Press the sleeve as given in the instruction of sleeving (see catalogue page 112).
13. Test the functionality of the latch (2) by pulling the wire rope until the latch (2) fully opens.

Storage
We recommend to store the Green Pin® ROV Pro Shank hook in its neutral position with the latch in locked position. Additional lock pins and other spare parts shall be stored in a dry place. Conserving the hook with oil ensures that its kept in a good condition and preserved properly.

See it in action
Visit our website for more detailed information, including an in-depth video that guides you through operating the Green Pin® Pro Shank Hook. You can also explore an interactive 3D model, giving you a realistic view of the design and features from every angle. It's the perfect way to familiarise yourself with all its capabilities before getting started. Please click [here](#) to visit the website.

Assembly Instructions

P-6740P
WLL 12 t - 35 t

