

# Tylaska LH Series Self-Locking Hooks

## LH Series Stainless Steel Self-Locking Hooks

- Meets CE requirements for approval as a lifting accessory.
- Forged 17-4 PH stainless steel hook and latch.
- Fully traceable load-bearing components.
- 100% stainless steel components.
- Dimensionally equivalent to self-locking hooks as defined in EN 1677-3:2001.
- 27% stronger than equivalent size grade 8 hooks.
- Suitable for use with Grade 80 and Grade 100 chain.
- Every hook is proof tested to 2 ½ times the working load limit.
- Fully replaceable locking mechanism.
- Available in polished stainless steel or yellow powder coated finish.
- Can be used for personnel lifting applications in accordance with OSHA Rule 1926.1431(g)(1)(i)(A) if properly installed and locked.



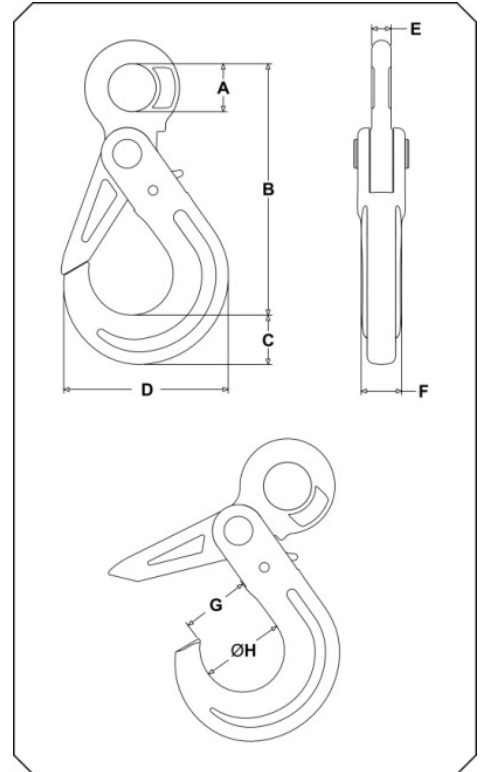
Model	Part Number	EN1677-3 Size Code	Chain Size (in.)	Working Load Limit* (lb. [t])	Dimensions (in. [mm])								Weight (lb [kg])
					A	B	C	D	E	F	G	H	
LH10	TY5010-E	10	3/8	8,800 [4.0]	1.25 [32]	6.53 [166]	1.30 [33]	4.28 [109]	0.55 [14]	1.10 [28]	1.75 [44]	2.18 [55]	3.8 [1.7]

\*The Minimum Breaking Force is 4 times the Working Load Limit.

### **⚠ WARNING**

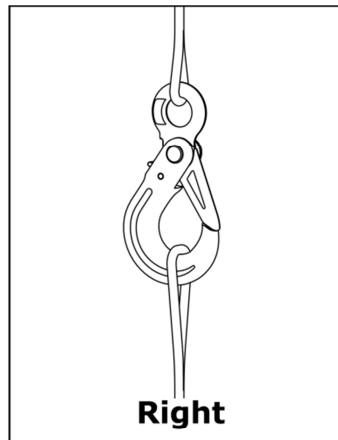
#### **LOAD DISENGAGEMENT CAN RESULT IN SERIOUS INJURY OR DEATH**

- Read and understand instructions before using hook.
- Never exceed the specified Working Load Limit (WLL).
- Never use a hook with missing or illegible manufacturer or rated load identification.
- Never ride on hook or load.
- Always comply with local and Federal regulations.
- Always ensure hook and latch are closed and locked before loading hook.
- Keep hands and body from between hook and load.
- Never use tip of hook for lifting.
- Never use a damaged or excessively worn hook for lifting.
- Never use hook in temperatures in excess of 400°F (204°C) or below -40°F (-40°C).
- Only use genuine Tylaska replacement parts.

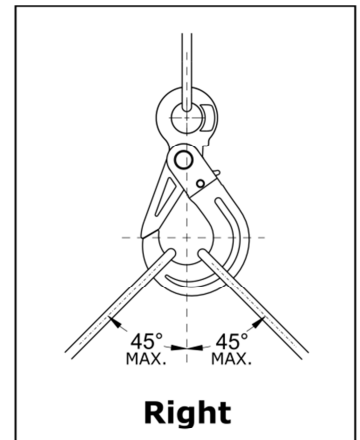


# Instructions for Use

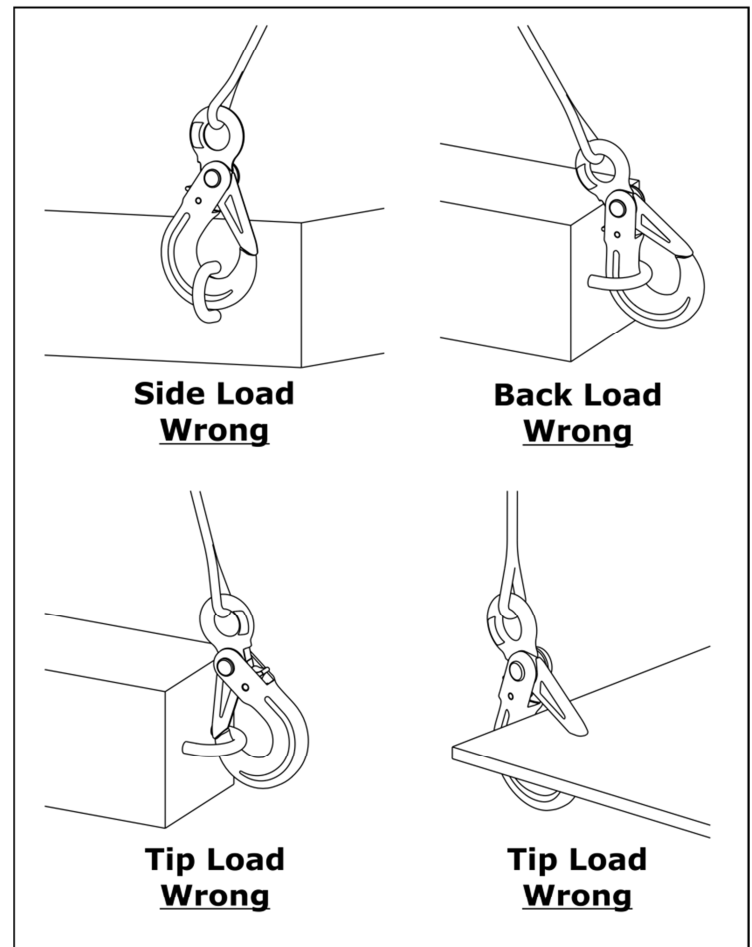
- All hooks shall be inspected periodically for wear, cracks, nicks, gouges, and deformation by a qualified person in compliance with ASME B30.10.
- Never modify or repair a hook by means of heating, welding, or bending.
- Remove hook from service if it found to have any of the following defects:
  - Cracks, nicks, or gouges
  - Excessive pitting or corrosion
  - Wear exceeding 10% of the original section dimension
  - Any visible twist or bend from the plane of the unbent hook
  - Any deformation resulting in an increase in throat opening of 5%, not exceeding ¼ in. (6mm)
  - Missing or illegible manufacturer identification or rated load identification
  - Inability of latch to lock closed
  - Evidence of excessive heat exposure or unauthorized welding
  - Evidence of unauthorized alterations such as drilling, machining, grinding or other modifications
- Never load the hook to the side, back, or on the hook tip. (See Figure 2)
- Load shall be centered on the saddle of the hook. (See Figure 1a)
- The hook latch must be closed and in the locked position during use.
- No more than two (2) slings shall be placed on the hook saddle. The angle from vertical to the leg nearest the hook tip shall not be greater than 45 degrees and the included angle between the legs shall not exceed 90 degrees. (See Figure 1b)
- Never use hook in highly alkaline or acidic environments.
- When using the hook for personnel hoisting or man riding applications, ensure that the lift system is in full compliance with OSHA Rule 1926.1431.



**FIGURE 1a**

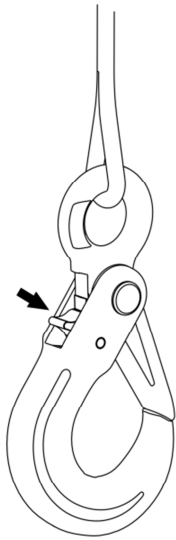


**FIGURE 1b**

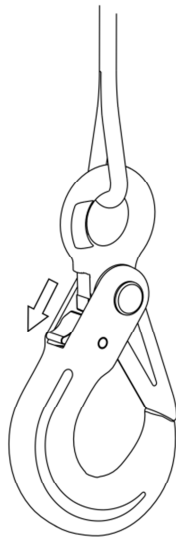


**FIGURE 2**

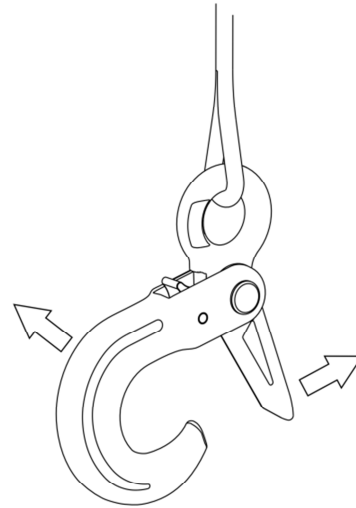
# Instructions for Use



When properly engaged, the trigger will lock the latch and hook, preventing them from opening during use.

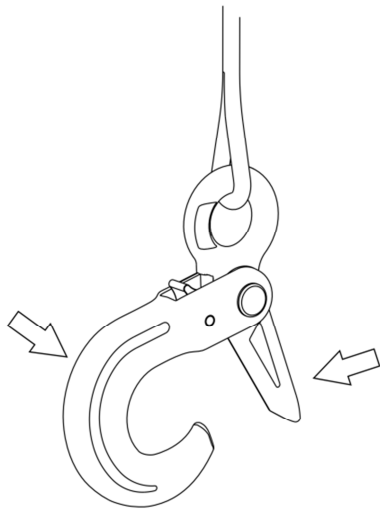


To open the hook, disengage the lock by pressing the trigger down, away from the latch.

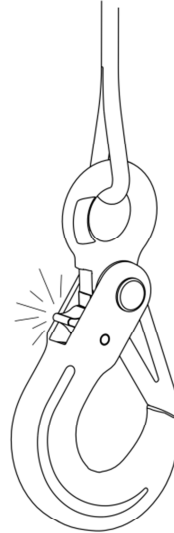


Once the trigger has been sufficiently depressed, the latch and hook will be free to rotate about the pivot pin. Loads can now be placed on or removed from the saddle of the hook.

## Opening Hook



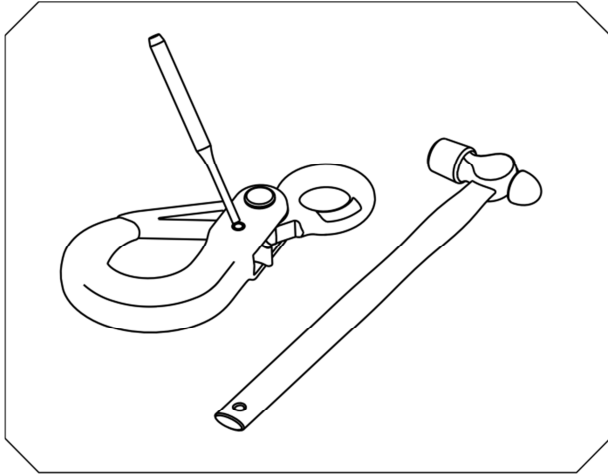
To manually close the hook, rotate the latch and hook until the tips of each touch. Be sure to keep hands and fingers clear of the locking mechanism and hook tip.



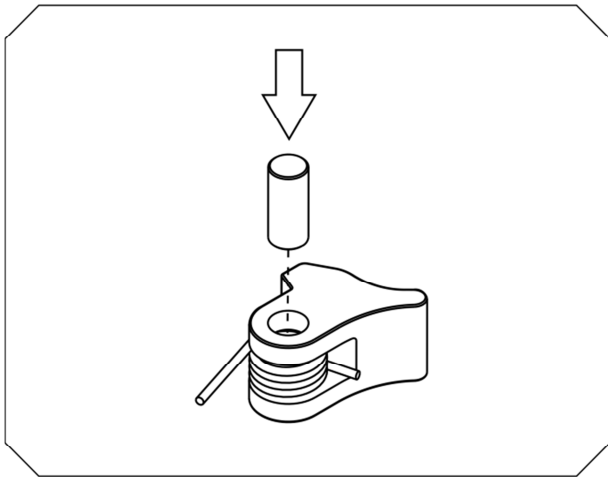
When the lock engages there will be an audible click as the trigger snaps into place. The latch and hook will then be locked closed and will not open until the lock is disengaged.

## Closing and Locking Hook

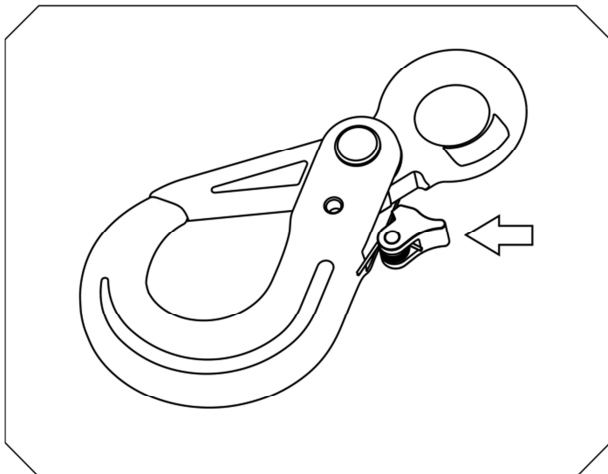
# Tylaska LH-Series Self-Locking Hook Trigger Replacement Kit Installation Instructions



1.) Punch out trigger pin from the countersunk side of the trigger pin hole using a hammer and punch or an arbor press and remove the trigger, trigger pin, and spring from the hook.



2.) Assemble the new spring in trigger together as shown and insert the temporary plastic pin through the trigger and spring. Make sure the pin does not stick out beyond either face of the trigger.

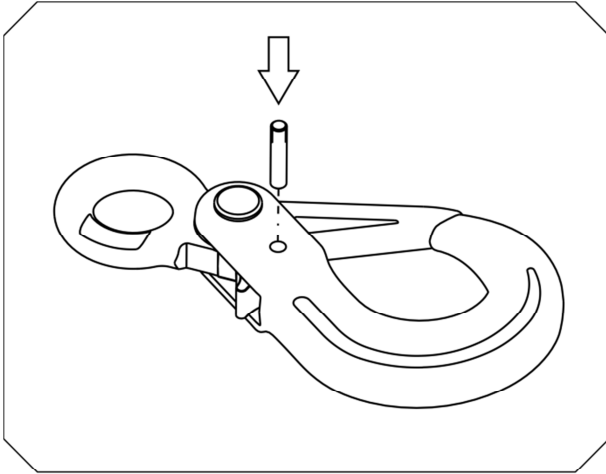


3.) Insert trigger assembly into hook, compressing the longer arm of the torsion spring against the bottom surface of the hook slot.

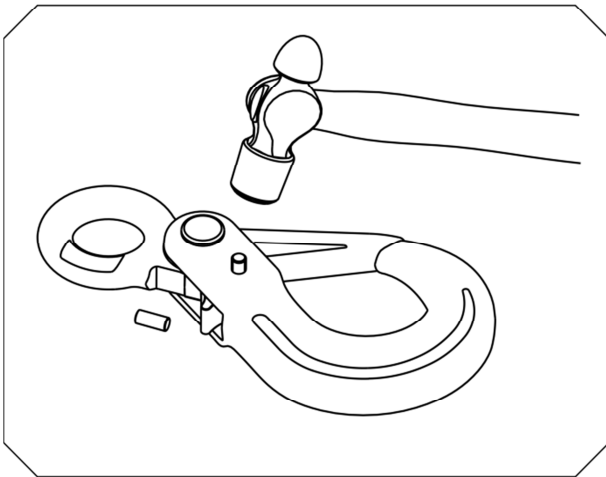
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# Tylaska LH-Series Self-Locking Hook Trigger Replacement Kit Installation Instructions

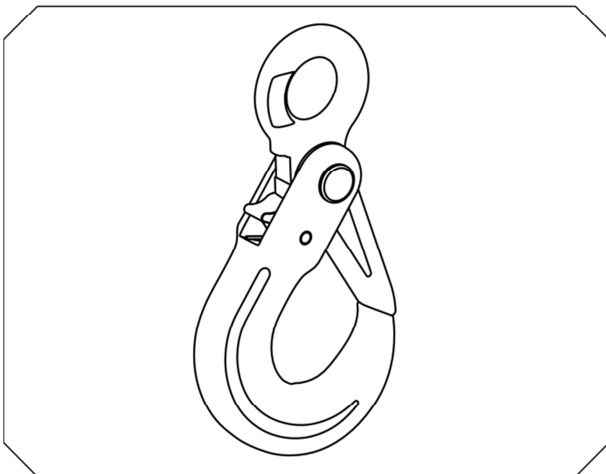
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4.) Align the trigger pin holes of the hook and trigger and insert the new trigger pin from the non-countersunk side of the hook with the grooved end of the pin up. This is most easily done by first setting the trigger into the locked position with the latch closed.



5.) Knock out the temporary plastic pin as the trigger pin is inserted and press in the new trigger pin with a hammer or arbor press until the head of the pin is flush with the side of the hook.



6.) Check that the hook and locking mechanism function correctly before returning the hook to service.