S-4320 HOOK LATCH KIT
(For Crosby 319N, 320N, and 322N, S-1327, and A-1339 Hooks)

WARNINGS AND APPLICATION INSTRUCTIONS
Important Safety Information – Read & Follow

• Always inspect hook and latch before using.
• Never use a latch that is distorted or bent.
• Always make sure spring will force the latch against the tip of the hook.
• Always make sure hook supports the load. The latch must never support the load. (See Figure 1 & 2.)
• When placing two (2) sling legs in hook, make sure the angle between the legs is less than 90° and if the hook or load is tilted, nothing bears against the bottom of this latch. (See Figure 3 & 4.)
• Latches are intended to retain loose sling or devices under slack conditions.
• Latches are not intended to be an anti-fouling device.
• When using latch for personnel lifting, select proper cotter pin (See Figure 5). See Step 7 below for proper installation instructions.
  • Never reuse a bent cotter pin.
  • Never use a cotter pin with a smaller diameter or different length than recommended in Figure 5.
  • Never use a nail, a welding rod, wire, etc., in place of recommended cotter pin.
  • Always ensure cotter pin is bent so as not to interfere with sling operation.
• Periodically inspect cotter pin for corrosion and general adequacy.

IMPORTANT – Instructions for Assembling S-4320 Latch on Crosby 320N Hooks

1. Place hook at approximately a 45 degree angle with the cam up.
2. Position coils of spring over cam with legs of spring pointing toward point of hook and loop of spring positioned down and lying against the hook.
3. Position latch to side of hook points. Slide latch onto spring legs between lockplate and latch body until latch is partially over hook cam. Then depress latch and spring until latch clears point of hook.
4. Line up holes in latch with hook cam.
5. Insert bolt through latch, spring, and cam.
6. Tighten self-locking nut on one end of bolt.
7. With latch in closed position and rigging resting in bowl of hook, insert cotter pin through hook tip and secure by bending prongs.

![Figure 1](image1.png)
![Figure 2](image2.png)
![Figure 3](image3.png)
![Figure 4](image4.png)
![Figure 5](image5.png)

<table>
<thead>
<tr>
<th>Hook Identification Code</th>
<th>Recommended Cotter Pin Dimensions (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>1/8</td>
</tr>
<tr>
<td>F</td>
<td>1/8</td>
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<td>L</td>
<td>3/8</td>
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<tr>
<td>N</td>
<td>3/8</td>
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</tbody>
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† The current SS-4055 latch kit and the PL latch will not fit new 319N, 320N, or 322N hooks. They will continue to be offered in both styles to service existing hooks. Important – The new S4320 latch kit will not fit the old 319, 320, or 322 hooks.