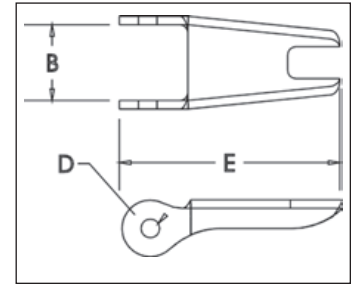


Crosby® Hook Latch Kits



**S-4320
LATCH KITS**

- Heavy duty stamped latch interlocks with the hook tip.
- High cycle, long life spring.
- Can be made into a “Positive Locking” Hook when proper cotter pin is utilized.
- Latch kits shipped unassembled and individually packaged with instructions.
- Meets the intent of OSHA Rule 1926.1431(g) and 1926.1501(g) (when secured with the bolt, nut and pin) for lifting personnel.



IMPORTANT: The new S-4320 Latch Kit will not fit the old style 319, 320 and 322 hooks.

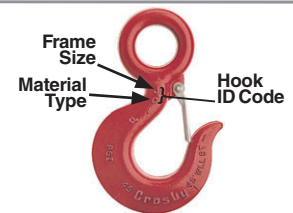


Hooks & Swivels

S-4320 Replacement Latch Kit for 319N, 320N, 322N, 339N, 1327 and 1339 Hooks

Hook Size (t)			Hook ID Code	S-4320 Stock No.	Weight Each (lbs.)	Dimensions (in)		
Carbon	Alloy	Bronze				B	D	E
3/4	1	.5	D	1096325	.03	.50	.15	1.44
1	1-1/2	.6	F	1096374	.04	.54	.17	1.56
1-1/2	2	1	G	1096421	.04	.63	.17	1.66
2	3	1.4	H	1096468	.06	.66	.17	1.91
3	5	2	I	1096515	.10	.83	.20	2.31
5	7	3.5	J	1096562	.15	1.04	.20	2.88
7-1/2	11	5	K	1096609	.28	1.25	.27	3.56
10	15	6.5	L	1096657	.33	1.35	.27	3.81
15	22	10	N	1096704	.84	1.66	.39	5.18

Example of Hook ID Placement Location

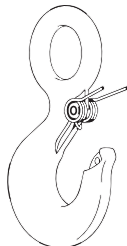


IMPORTANT: Instructions for Assembling S-4320 Latch on Crosby 320N Hooks



Step 1

1. Place hook at approximately a 45 degree angle with the cam up.



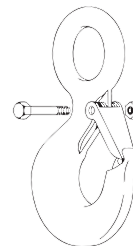
Step 2

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.



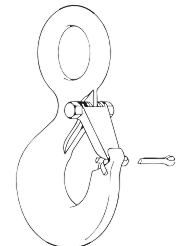
Step 3

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.



Steps 4, 5, & 6

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.



Step 7

(For Personnel Lifting)
7. With latch in closed position and rigging resting in bowl of hook, insert cotter pin through hook tip and secure by bending prongs.

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S-4320 HOOK LATCH KIT

WARNINGS & APPLICATION INSTRUCTIONS



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

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 Figures 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 Figures 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.

⚠ WARNING

- Loads may disengage from hook if proper procedures are not followed.
- A falling load may cause serious injury or death.
- Hook must always support the load. The load must never be supported by the latch.
- See OSHA Rule 1926.1431(g)(1)(i)(A) and 1926.1501(g)(4)(iv)(B) for Personnel Hoisting by Crane or Derricks. A Crosby S-319N, S-320N, S-322N, S-1327, and A-1339 Hook with an S-4320 latch attached (when secured with cotter pin) may be used for lifting personnel.
- An S-4320 Latch is only to be used with a Crosby S-319N, S-320N, S-322N, S-1327, and A-1339 Hook.
- **DO NOT** use this latch in applications requiring non-sparking.
- Read and understand these instructions before using hook and latch.

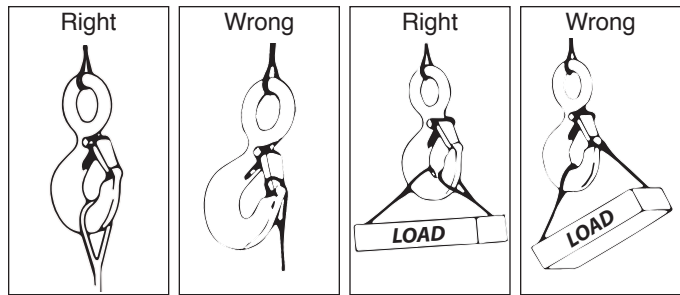
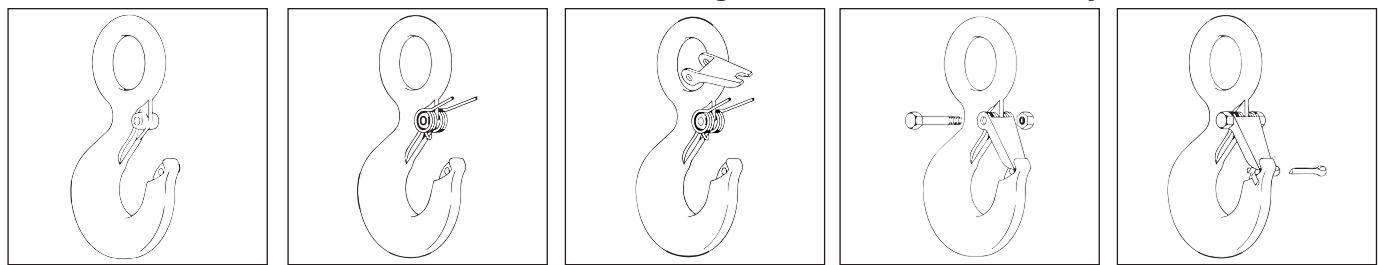


Figure 1 Figure 2 Figure 3 Figure 4
 Figure 5

Hook Identification Code	Recommended Cotter Pin Dimensions (in.)	
	Diameter	Length
D	1/8	3/4
F	1/8	3/4
G	1/8	1
H	3/16	1-1/4
I	1/4	1-1/2
J	5/16	2
K	5/16	2
L	3/8	3
N	3/8	3

† 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.

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



- Step 1**
 1. Place hook at approximately a 45 degree angle with the cam up.
- Step 2**
 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.
- Step 3**
 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.
- Steps 4, 5, & 6**
 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.
- Step 7 – For Personnel Lifting**
 7. With latch in closed position and rigging resting in bowl of hook, insert cotter pin through hook tip and secure by bending prongs.