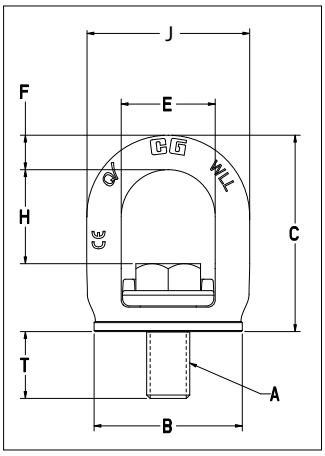
**SL-150**

- When compared to respective size eye bolts, the Crosby SL-150 Slide-Loc™ has a larger eye opening for easy access.
- Bail is forged alloy steel – Quenched & Tempered.
- Bail swivels 360° degrees to keep the load aligned with the sling leg.
- Rated at 100% for 90 degree angle.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Meets the Machinery Directive 2006/42/EC guidelines and is marked with CE accordingly.
- Bolt specification for metric bolt is Grade 10.9 alloy cap screw to ISO 898-1.
- Unique locking mechanism makes the lifting point well suited for quick attachment to load surface. No need for tools.
- Features QUIC-CHECK® markings on bail to assist in knowing when device is ready for lifting.




APPLICATION AND WARNING INFORMATION
SECTION 17

## SL-150 UNC SLIDE-LOC™ LIFT POINT

| Weight Each (lb) | Stock No. | Working Load Limit (t)* | Dimensions (in) | | | | | | | Effective Thread Projection Length |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Bolt Size A | B | C | E | F | H | J | T |
| 0.30 | 1068407 | 0.50 | 3/8 - 16 x 1 | 1.40 | 2.09 | 1.10 | 0.33 | 1.11 | 1.77 | 0.60 |
| 0.53 | 1068416 | 0.75 | 1/2 - 13 x 1 - 1/4 | 1.67 | 2.47 | 1.30 | 0.41 | 1.30 | 2.13 | 0.79 |
| 1.10 | 1068425 | 1.50 | 5/8 - 11 x 1 - 5/8 | 2.17 | 2.98 | 1.46 | 0.52 | 1.46 | 2.50 | 1.01 |
| 2.05 | 1068434 | 2.30 | 3/4 - 10 x 2 | 2.71 | 3.59 | 1.72 | 0.63 | 1.72 | 2.98 | 1.26 |
| 2.16 | 1068443 | 2.30 | 7/8 - 9 x 2 | 2.71 | 3.61 | 1.72 | 0.63 | 1.72 | 2.98 | 1.23 |
| 3.73 | 1068452 | 3.20 | 1 - 8 x 2 - 1/2 | 3.25 | 4.33 | 2.08 | 0.76 | 1.93 | 3.59 | 1.59 |

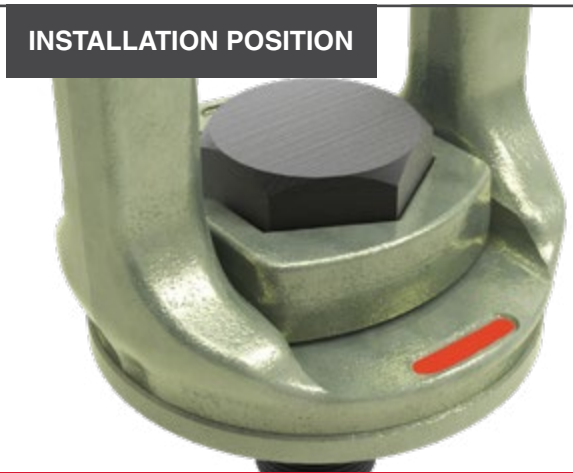
4:1 Design Factor.

## SL-150 METRIC SLIDE-LOC™ LIFT POINT

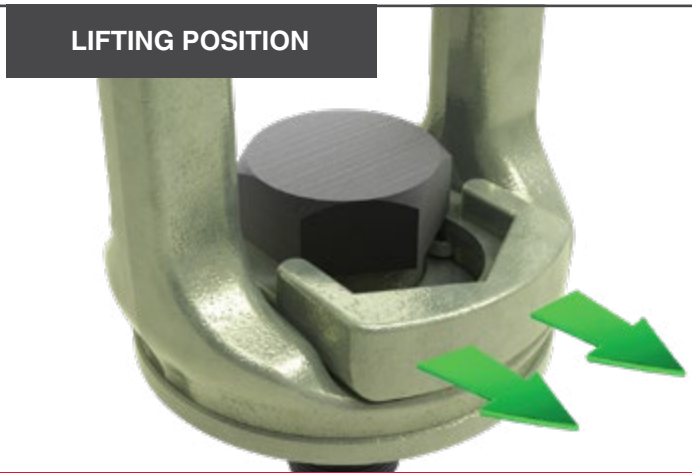
| Weight Each (kg) | Stock No. | Working Load Limit (t)* | Dimensions (mm) | | | | | | | Effective Thread Projection Length |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Bolt Size A | B | C | E | F | H | J | T |
| 0.14 | 1068515 | 0.50 | M10X1.5 X 25 | 35.5 | 53.0 | 28.0 | 8.5 | 27.8 | 45.0 | 14.6 |
| 0.23 | 1068524 | 0.75 | M12x1.75x30 | 42.5 | 62.6 | 33.0 | 10.5 | 32.9 | 54.0 | 18.3 |
| 0.50 | 1068533 | 1.50 | M16x2x40 | 55.0 | 75.7 | 37.0 | 13.2 | 37.0 | 63.4 | 24.5 |
| 0.94 | 1068542 | 2.30 | M20x2.5x50 | 68.8 | 91.1 | 43.9 | 16.0 | 43.6 | 75.6 | 31.0 |
| 1.60 | 1068551 | 3.20 | M24x3x60 | 82.5 | 110.0 | 52.8 | 19.2 | 52.8 | 91.2 | 37.0 |

4:1 Design Factor.

### INSTALLATION POSITION



### LIFTING POSITION



**The visible red QUIC-CHECK® mark indicates that the Crosby Slide-Loc™ is ready for installation but not for lifting.**

QUIC-CHECK®

**When the red QUIC-CHECK® mark is under the slide, the Crosby Slide-Loc™ is ready for lifting.**

# CROSBY Slide-Loc® Lifting Point

## WARNINGS & APPLICATION INSTRUCTIONS

**SL-150 & SL-150M**
Slide-Loc Lifting Point

## ⚠ WARNING

- **Load may slip or fall if proper Lifting Point assembly and lifting procedures are not used.**
- **A falling load can seriously injure or kill.**
- **Do not use with damaged slings or chain. For inspection criteria see ASME B30.9.**
- **Use only genuine Crosby bolts as replacements.**
- **Read and understand these warnings and application instructions.**
- **Do not load the Lifting Point if the slide lock is in the installation position (Red QUIC-CHECK mark is visible).**
- **The tension of the sling must be calculated or measured and can not exceed the working load limit (WLL) of the load connection fitting.**

## LIFTING POINT APPLICATION / ASSEMBLY INSTRUCTIONS

- Lifting Points incorporate a red indented area on each forged bail that provides a quick indicator to determine whether the Lifting Point is in the installation position or the lifting position. If the **QUIC-CHECK** mark is visible, product is in installation mode and shall not be used for lifting.

QUIC-CHECK®

- **To check,** look for indented surface (red) on bail. A visible **QUIC-CHECK** mark (Figure 2) means the slide lock and bolt are engaged for installation. When Lifitng Point is properly installed, move slide lock to lifting position (Figure 1).
- Use Lifting Points only with a ferrous metal (i.e., steel, iron) or soft metal (e.g., aluminum) load (workpiece). Do not leave threaded end of Lifting Point in aluminum loads for long time periods due to corrosion.
- When using lifting slings of two or more legs, make sure the forces in the legs are calculated using the angle from the horizontal sling angle to the leg and select the proper size swivel hoist ring to allow for the angular forces.
- After determining the loads on each Lifting Point, select the proper size Lifting Point using the Working Load Limit ratings in Table 1 for UNC threads and Table 2 for Metric threads.
- Never exceed rated capacity of Lifting Point. See Table 1 for UNC threads, and Table 2 for metric threads.
- Drill and tap the workpiece to the correct size to a minimum depth of one-half the threaded shank diameter plus the threaded shank length.
- Install Lifting Point by hand so that the bushing flange is held tight to the mounting surface by the bolt. The bushing flange should engage the entire mounting surface.
- Never use spacers between bushing flange and mounting surface.
- Always select proper load rated lifting device for use with Lifting Points.
- Attach lifting device ensuring free fit to Lifting Point bail (Figure 6).
- Never lift load if Red **QUIC-CHECK** indicator is visible (Figure 2).
- Apply partial load and check proper rotation and alignment. The Lifting Point bail should be in-line with the direction of the load.

## USING THE LIFTING POINT

**Slide-Loc LIFTING Position**

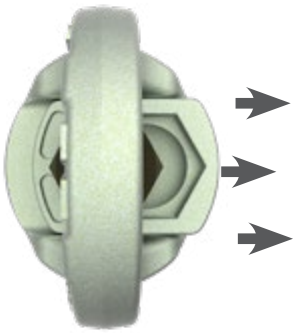


**Figure 1**

**Slide-Loc INSTALLATION Position**

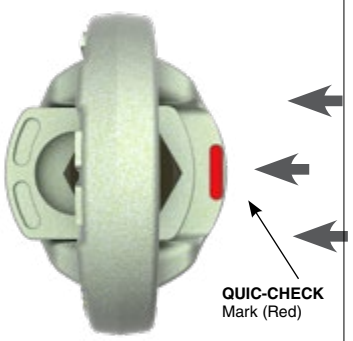



**Figure 2**

- Do not load in a direction perpendicular to the bail (Figure 5).
- Special Note: Recommended thru hole clearance is 1/32" for bolts smaller than 1" and 2/32" for bolts 1" and larger in diameter.

1. ASTM A-563

   A. Grade D Hex Thick

   B. Grade DH Standard Hex

2. SAE Grade 10.9 — Standard Hex

### To place the Lifting Point:

- Move the slide lock into the installation position, such that the four flats on the bolt head are engaged (Figure 2).
- Thread the bolt of the Lifting Point into the hole of your workpiece making sure that the entire length of exposed bolt thread is engaged. If the hole on your workpiece is not threaded, ensure that the Lifting Point is secured with a nut on the opposite side of your workpiece and that that nut thread is fully engaged.