

Operation Instructions for the CONAC Lifting Eye



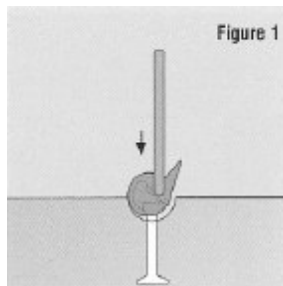
1. General

The CONAC Lifting Eye is a load lifting device. It grips the head of a DR anchor inside of the recess created by the CONAC Rubber Recess Former.

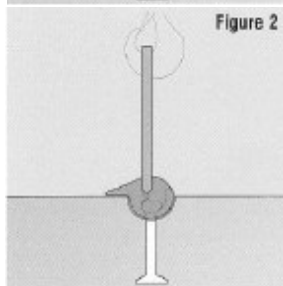
The bail is made from robust, unbreakable, hardened and tempered cast steel, and the suspension link is made from high tensile chain steel. The CONAC Lifting Eye meets the requirements of the "Safety regulations for lifting precast concrete units". Important references include but are not limited to: OSHA Part 1926 and ANSI 10.9.

2. Operating Instructions for the CONAC Lifting Eye

1) Hold the CONAC Lifting Eye upside down such that the opening of the bail is placed directly on the anchor head (Figure 1).

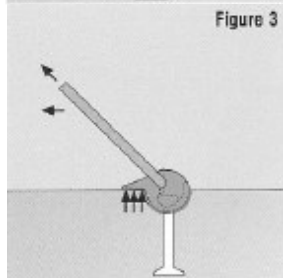


2) Rotate the bail until the anchor head has reached the end of the channel (Figure 2). The lip of the bail should be entirely level with the surface of the concrete as shown in the figure.



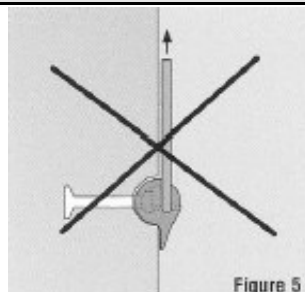
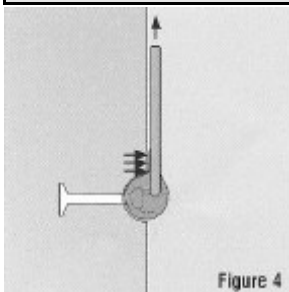
*If the lip is not level, the anchor head is not completely inside the channel and further rotation of the bail is necessary. Failure to do this could cause the anchor head to bend.

3) The CONAC Lifting Eye can then be used for a straight pull (Figure 2) or for parallel/transversal shear pulls (Figure 3). For parallel or transversal shear pulls, the bail lip must point in the direction of the pull.



Warning

For traversal/parallel shear pull, the bail lip must point in the direction of the pull, as shown in Figure 4. If positioned incorrectly (Figure 5), the Lifting Eye can come loose.



Warning: Do not allow the crane lines to form an angle less than 90 degrees during an edge lift application. This condition can bend the lifting eye bail and could lead to premature failure.

3. Identification

The identification meets the "Safety regulations for lifting precast concrete units" as follows:

Manufacturer	CONAC
Type	Lifting Eye
Size	e.g. 4t
Manufacture Year	e.g. 04
Batch Number	e.g. 1234

4. Inspection

The CONAC Lifting Eye is to be inspected by a quality control expert before use and monthly thereafter. It must also be thoroughly checked for wear and tear after unplanned stress (e.g. after it has dropped from a great height, in the case of fire or extreme loading, etc.).

The Lifting Eye must be cleaned before testing. It will be checked for heavy wear and tear, damage and visible defects such as cracks. Heavy wear and tear can be revealed by the size of the channel. The nominal size is admissible up to the following limit sizes "s" (see Table below). Damage might include cracks, bending, or deformation of the cast steel element or the suspension link. If there is any such damage, then the Lifting Eye must be discarded immediately.

Maximum Working Load	1t	2t	4t	8t
Maximum Channel Opening	13 mm	18 mm	24 mm	33 mm

Warning

Before lifting the Lifting Eye should be checked to ensure that it is fully engaged with the anchor. Lifting eyes and anchors from different manufacturers should not be used together.

Failure to observe any safety recommendation can result in a service failure of the lifting system.

Warning

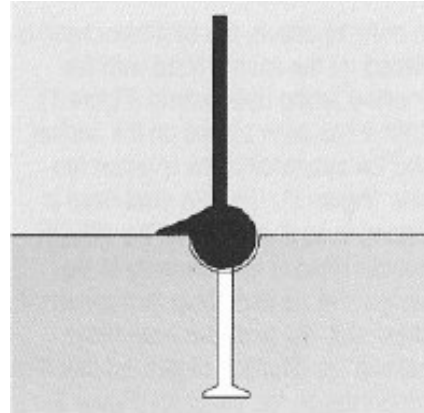
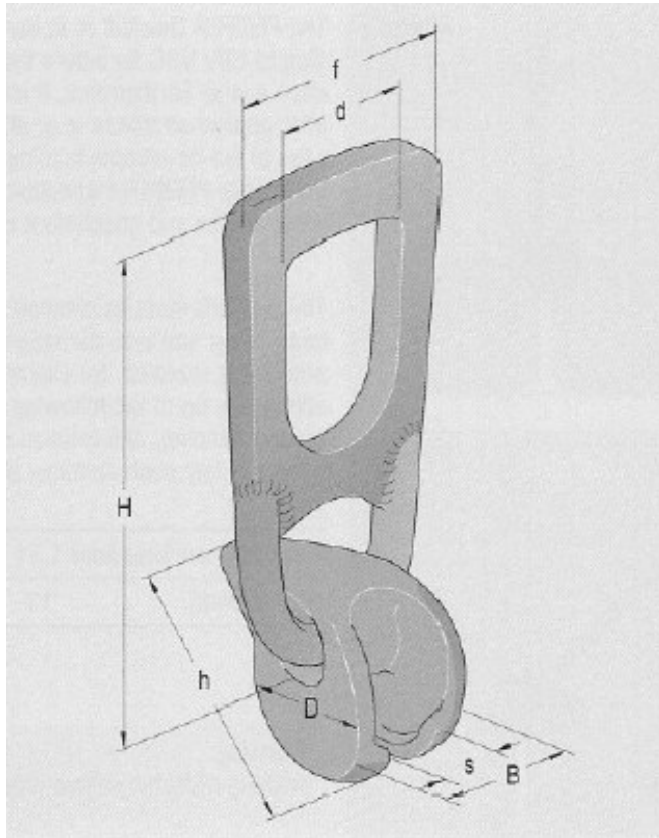
The crane line and bail of the lifting hardware must be turned in the direction of the cable forces before the lifting operation begins. The crane line must not be allowed to apply a sideward force on the ball.

This condition is dangerous and could lead to premature failure of the hardware or insert.

Warning

Do not modify, weld or alter in any way the Conac Lifting Eye.

CONAC Lifting EYE For DR Anchor System



Part No.	System Code [t]	System Capacity [t]	With head diam. [mm]	With shaft diam.[mm]	Dimensions [mm]							Weigh [lb/piece]
					D	H	h	B	s	d	f	
Lifting Eye 1T	1.3	1	19	10	52	200	73	32	11	45	72	2.18
Lifting Eye 2T	2	2	26	14	63	220	91	42	16	58	87	3.10
Lifting Eye 4T	5	4	36	20	82	275	111	57	22	68	116	7.08
Lifting Eye 8T	10	8	47	28	104	390	150	72	29	84	160	19.62
Lifting Eye 16T	20	16	69	39	153	520	210	109	41	115	187	48.40