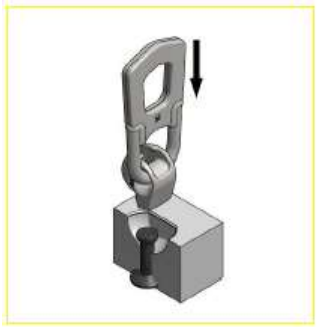
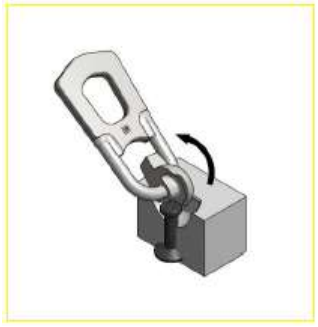
Euro Accessories Pin Anchor Ring Clutch Installation Guide

This document should be read in conjunction with the Euro Accessories Pin Anchor Technical manual if you are unfamiliar with this form of lifting system. All lifting equipment and lifting accessories should be visually inspected by a competent person prior to each use, to ensure there are no obvious defects in the lifting accessory.



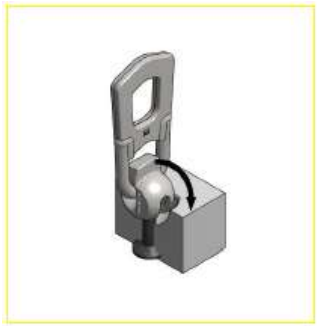
1)

Firstly inspect the ring clutch and pin anchor for any signs of wear or damage that may compromise the safety of the system. Hold the ring clutch directly above the pin anchor. Only ring clutches of the corresponding load rating to the pin anchor can be engaged.



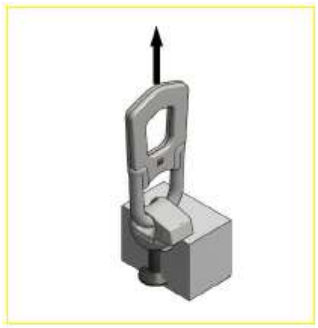
2)

Rotate the lever arm of the ring clutch to the upper vertical position and align the opening of the clutch with the pin anchor head. Then lower the ring clutch onto the pin anchor.



3)

Rotate the lever arm of the ring clutch until it rests on the concrete surface. If the lever arm is not resting on the concrete surface the ring clutch is not engaged correctly. On no account strike the ring clutch with tools to assist engagement. As damage could be caused



4)

Vertical lifts should have the lever arm in this position and in contact with the concrete surface.

5)

Angled lifts should only commence if the lever arm is orientated to point towards the crane hook. Remember that sling angles can contribute significant increases in the load, try to keep slings as close to vertical as possible and consult the Euro Accessories Pin Anchor technical manual for further clarification or see table below.

6)

To disengage the ring clutch remove any tension from the lifting slings and rotate the lever arm upwards towards vertical.

7)

The ring clutch can now be removed from the pin anchor. To reduce the risk of damage the ring clutches should be stored off the ground in a warm dry environment away from caustic compounds. Consult LOLER regulations for the thorough and routine inspection periods.

Sling angles		Effects of increased sling tension	
θ°	2 x θ°	Load increase	Anchor capacity
0	n/a	0%	100%
5	10	0%	100%
10	20	2%	98%
15	30	4%	97%
20	40	6%	94%
25	50	10%	91%
30	60	15%	87%
35	70	22%	82%
40	80	31%	77%
45	90	41%	71%