

EdgeLift Anchor With Feet

DESCRIPTION

Reid's 2, 5 & 9 tonne EdgeLift Anchors with feet are designed for lifting in the edge of precast and cast insitu tilt-up concrete panels.

FEATURES

- Hairpin clutch lifting attachment to prevent edge break.
- Simple one piece lifter with integrated shear feet to give superior tilt up performance.
- Easy to install fitting around central reinforcing and trimmer steel.
- Accepts additional reinforcing hanger bars to give full clutch lift rating in tension in low strength concrete.
- Works with existing Reid Hairpin Recess Formers and lifting clutches.
- Hot Dipped Galvanized or Powder Coated for durability with in areas of reduced concrete cover.

APPLICATIONS

- Tilting and lifting of precast and on site manufactured concrete panels.
- Thin edge tilting and lifting
- Low strength concrete lifts

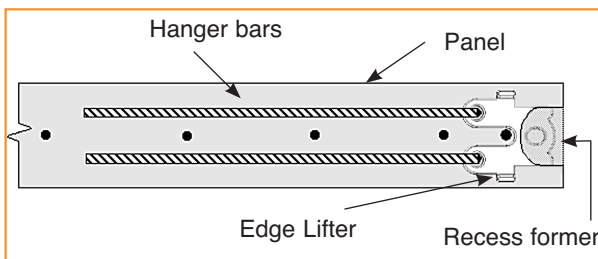


Fig 1
Edgelift Anchor in panel.

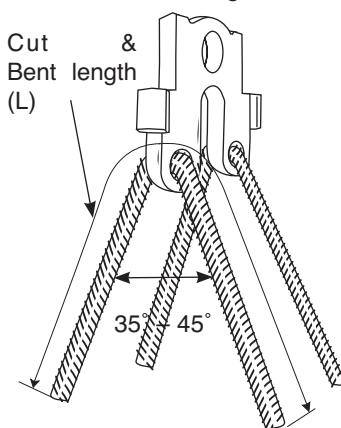
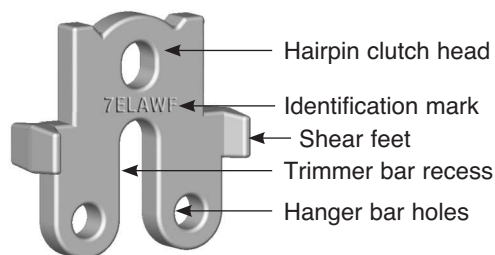


Fig 2
Hanger Bar Installation



ELAWF
Edgelift Anchor with Feet

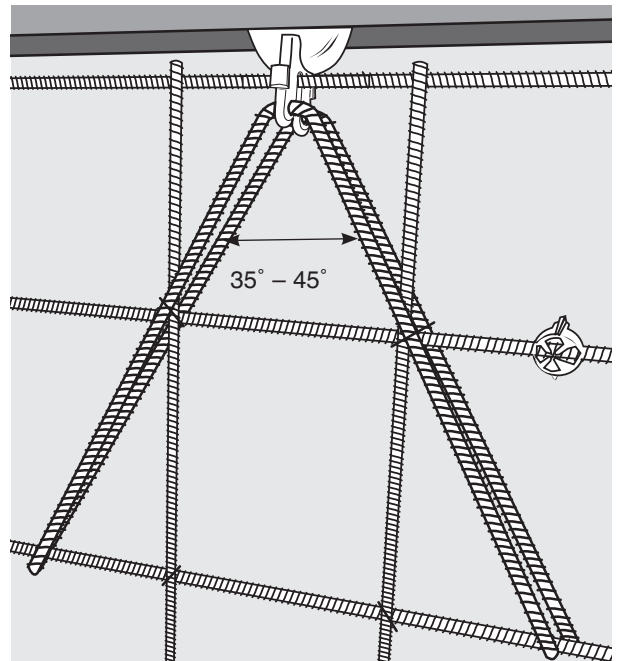


Fig 3
Hanger bar length - refer to Table

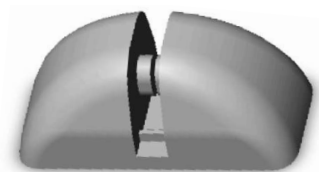
INSTALLATION OF ANCHORS

- Always use two reinforcing bars (size diameter as per Table 1b, 2b, and 3b) or press stressing strands fitted one through each hole in the foot of the anchor.
- Bars must be bent down into the panel at an included angle of 35° to 45°.
- Bar length (L) is to conform to the table overleaf for the panel thickness and concrete strength at time of lift (refer Tables 1B, 2B & 3B).

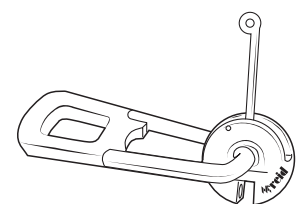
WARNING – INCORRECT INSTALLATION CAN RESULT IN ANCHORS NOT PERFORMING TO SPECIFICATION.

MATERIAL CHARACTERISTICS

- Anchor - Forged ST52.3 Alloy Steel, or laser cut steel plate.



HPRRF Rubber Recess Former



HPLE
Hair Pin Lifting Eye

EdgeLift Anchor With Feet

 ↑ Lift Table 1A

2ELAWF Shear Lift			
Working Load Limit (t) – Unreinforced concrete			
Panel Thickness (mm)	Concrete Strength at time of lift		
	15MPa	20MPa	25MPa
100	2.20	2.50	2.50
120	2.40	2.50	2.50
150	2.50	2.50	2.50

 ↑ Lift Table 2A

5ELAWF Shear Lift			
Working Load Limit (t) – Unreinforced concrete			
Panel Thickness (mm)	Concrete Strength at time of lift		
	15MPa	20MPa	25MPa
120	2.10	2.50	3.00
150	2.90	3.50	4.10
175	3.30	4.00	4.70
200	3.80	4.60	5.00

 ↑ Lift Table 3A

9ELAWF Shear Lift			
Working Load Limit (t) – Unreinforced concrete			
Panel Thickness (mm)	Concrete Strength at time of lift		
	15MPa	20MPa	25MPa
150	4.30	5.20	6.00
175	4.80	5.90	6.80
200	5.40	6.60	7.70
250	6.70	8.20	9.00

PRODUCT SPECIFICATION

Edgelifift Anchors

Product Code	Description	Colour
2ELAWF	2.5t Edgelifift Anchor with Feet	Orange
5ELAWF	5.0t Edgelifift Anchor with Feet	Black
9ELAWF	9.0t Edgelifift Anchor with Feet	Grey

Recess Former to suit Edgelifift Anchors

Product Code	Description	Colour
2HPRRF	2.5t Rubber Recess Former	Orange
5HPRRF	5.0t Rubber Recess Former	Black
9HPRRF	9.0t Rubber Recess Former	Blue

Hairpin Anchor Clutches to use with Edgelifift Anchors

Product Code	Description
2HPLE	Universal Clutch 2500kg
5HPLE	Universal Clutch 5000kg
9HPLE	Universal Clutch 9000kg

 ↑ Lift Table 1B

2ELAWF Tension Lift with Hanger Bars Lengths		
Working Load Limits – unreinforced concrete ⁽¹⁾		
W.L.L. tonnes	15MPa	25MPa
	Bar Length ⁽²⁾ (mm)	Bar Length ⁽²⁾ (mm)
2.5	635	490
2.0	510	395
1.5	380	295
1.0	255	200

- (1) Min 100 mm thick panel
 (2) Cut & bent length HD12, 2 required per lifter.
 Refer to Figure 2. Min bend radius = 30mm

 ↑ Lift Table 2B

5ELAWF Tension Lift with Hanger Bars Lengths		
Working Load Limits – unreinforced concrete ⁽¹⁾		
W.L.L. tonnes	15MPa	25MPa
	Bar Length ⁽²⁾ (mm)	Bar Length ⁽²⁾ (mm)
5	895	695
4	715	555
3	540	415
2	360	280

- (1) Min 120 mm thick panel
 (2) Cut & bent length HD12, 2 required per lifter.
 Refer to Figure 2. Min bend radius = 30mm

 ↑ Lift Table 3B

9ELAWF Tension Lift with Hanger Bars Lengths		
Working Load Limits – unreinforced concrete ⁽¹⁾		
W.L.L. tonnes	15MPa	25MPa
	Bar Length ⁽²⁾ (mm)	Bar Length ⁽²⁾ (mm)
9	1210	935
8	1080	830
7	940	730
6	805	625
5	670	520
4	540	415

- (1) Min 150 mm thick panel
 (2) Cut & bent length HD16, 2 required per lifter.
 Refer to Figure 2. Min bend radius = 40mm