RECESS FORMER

INSTALLATION

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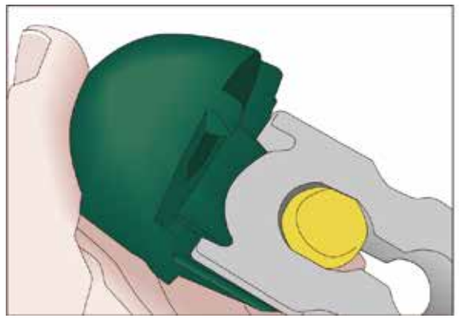
Installation of GME Recess former

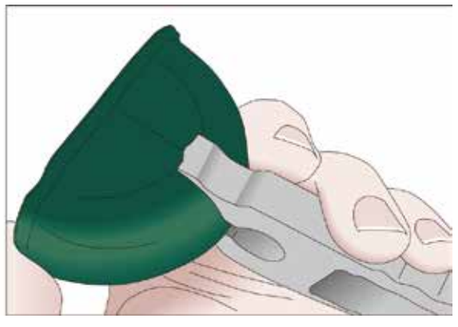
1 Recess Former Cleaning

Before use, always inspect recess formers and remove all adhering concrete inside and out.
Apply mould release agent to facilitate removal from the hardened concrete.

2 Installation of the GME Anchor in the Recess Former

Carefully bend open the recess former and place the GME Anchor with its yellow rubber crossbar into the recess former cavity.
Close the recess former completely to prevent the entry of concrete around the anchor head.





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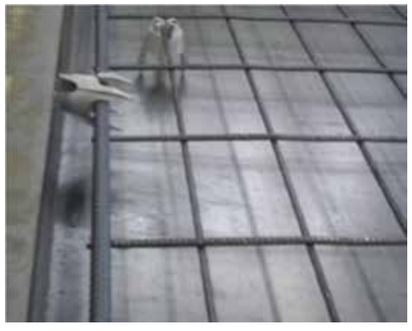
3 Installation of the EdjPro Anchor and Recess Former into the Mould

Install the GME Anchor and its closed recess former at the location specified by the engineer. Make sure that the flat side of the recess former sits firmly against the formwork and that the former is completely closed to avoid concrete entering the recess around the anchor head.

GME Anchor installed with its tension bar. One easy method to ensure the recess and anchor are located hard against the formwork is to push the anchor/recess/tension bar against the sideform and tie the tension bar to the surrounding reinforcement. Fix the reinforcement against the opposite side form to prevent it moving.

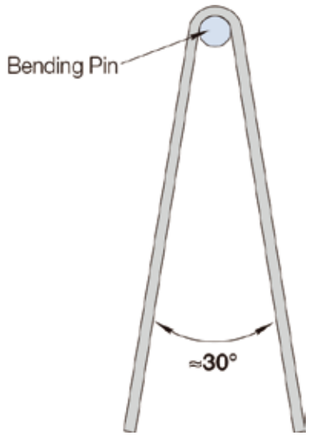


A handy method of fixing the reinforcement to prevent it moving, is to use a bar chair propped against the side-form opposite the anchor.

The back of the recess former has brass threaded inserts which may be used for rigidly fixing the former to the side form using metric bolts.This requires holes to be drilled in the side forms.

4 Tension Bar and Component Reinforcement Installation

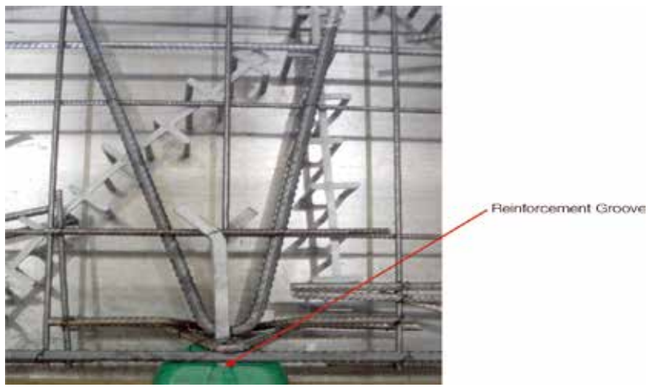
Install the tension bar (also called a hanger bar) through the hole in the lifting anchor according to the engineer's specification. "Standard" tension bars have an open U-shape with an opening angle of 30° – 35°. Parallel leg or cogged bars may be specified for complex panel geometries and configurations.



Bar	Minimum Diameter of the Bending Pin (mm)
N12	48
N16	64
N20	80

Install additional component reinforcement as specified by the engineer. Perimeter bars are advisable for flexural crack control and in some high load cases, shear bars may also be required.

The picture shows the correct installation of an EdjPro Anchor. The recess former is fully closed, preventing the ingress of concrete. EdjPro Anchors have a groove for the location of perimeter and shear bars for optimum concrete cover, edge capacity and crack control.



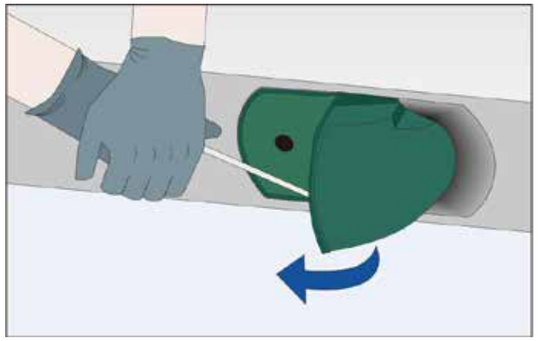
Installation of GME Recess former

5 Concrete Pouring and Vibration

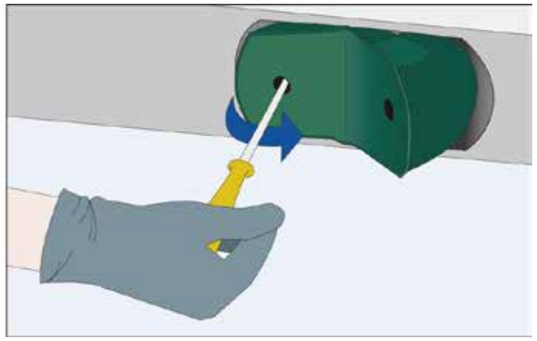
Extra care should be taken to compact the concrete near the GME Anchors because their capacity depends on thorough concrete compaction.

6 Recess Former Removal

As the concrete shrinks during the hardening process, it normally separates from the recess former. Remove the former by opening both halves one after another using a blunt-ended tool or a small reinforcing bar inserted into the holes in the back of the former.



Opening the first half



Opening the second half

After removal, inspect and clean the recess formers, removing all adhered concrete inside and out. Damaged recess formers should be replaced.

Installation of GME Recess former

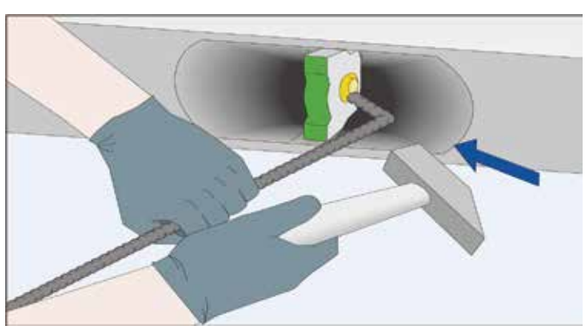
GME Recess Formers should be thoroughly coated with mould release agent prior to use. This makes removal easy and keeps the recesses clean. The synthetic rubber of GME Recess Formers is resistant to attack by mould release agents.
Many users have found that the best way to maintain GME Recess Formers is to store them in a metal basket, soak them overnight in release agent and drain to remove excess prior to use.

Soaking in mould oil

Drain and re-use

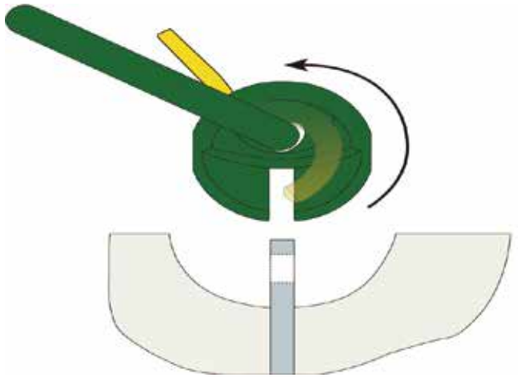
7 Rubber Cross-Bar Removal

The cross-bar prevents concrete entering and blocking the lifting hole. The GME Lifting System delivers a clean, fast clutch connection - every time.The cross bar is normally easy to remove by hand.Some users have found it faster to tap out the crossbar with a simple tool made from a 12mm bar bent with a right-angled nib of about 25mm.

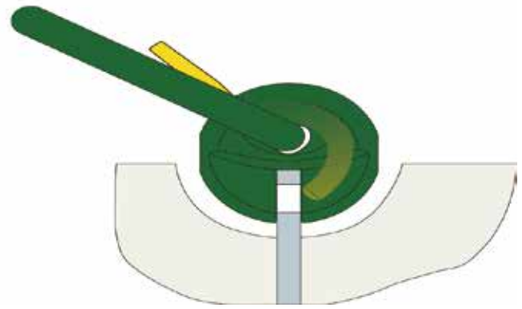


Installation of GME Recess former

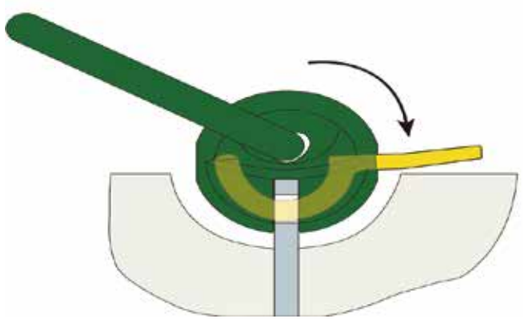
8 GME Clutch Connection



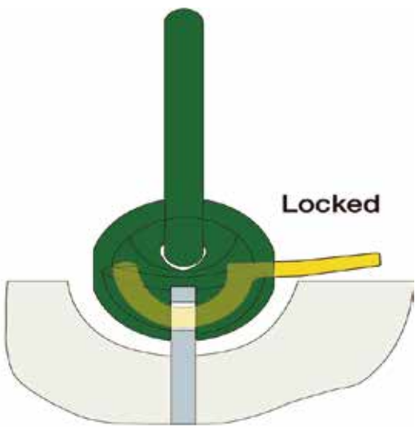
Move link and locking ring to one side to allow the connection of the clutch.



Fit the clutch over the GME Anchor



Close the locking ring.

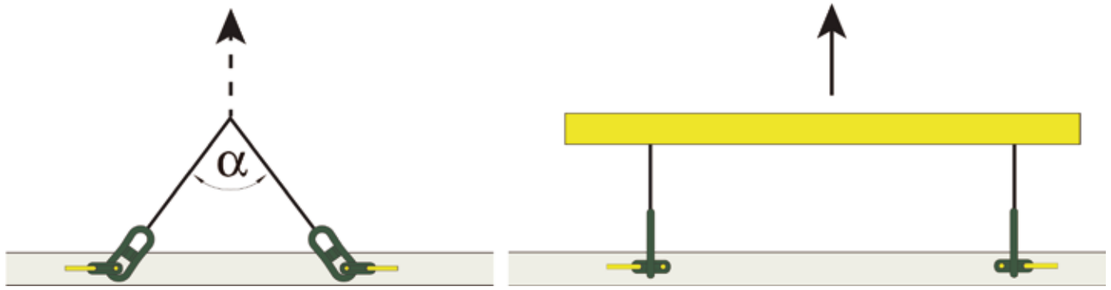


The clutch is now securely connected and ready to use!

Installation of GME Recess former

9 GME Lifting

To lift the concrete member use the rigging configuration as specified by the engineer responsible for the lifting procedure. Different rigging arrangements can be specified for various lifting procedures during manufacture, transport and erection. Make sure the correct configuration is used for each handling process. Every modification to the rigging needs to be approved by the engineer.



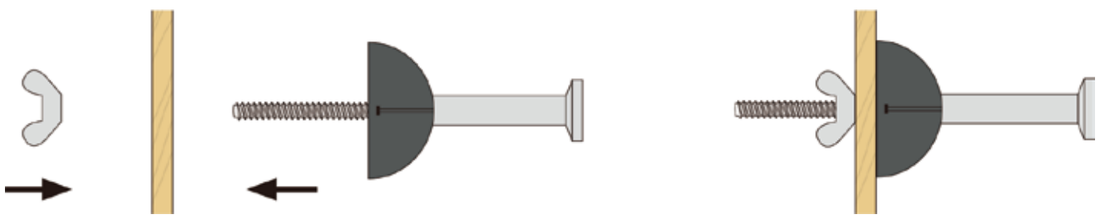
Installation of GME Rubber Recess Former

1 Installation of Rubber Recess Former using

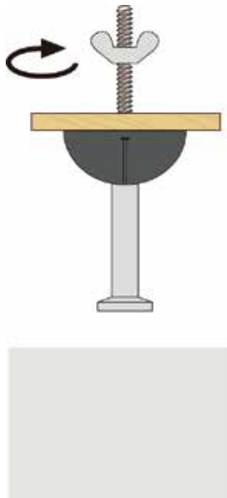
Unilift RRF Rubber Recess Formers are delivered with a setting bolt and wing nut.

1.Drilla hole in the formwork at the anchor location.

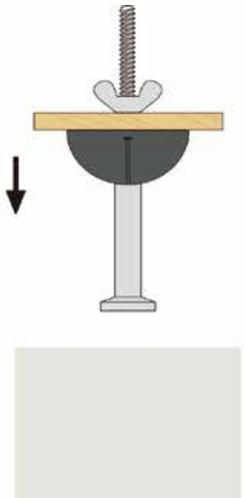
2.Pass the setting bolt through the formwork and fasten with wing nut.



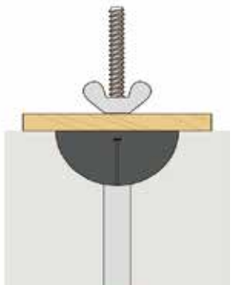
Installation of GME Rubber Recess Former



1. Fasten the wing nut onto the wooden float to fully close the void former



2. Hold the void former assembly and anchor via the setting bolt

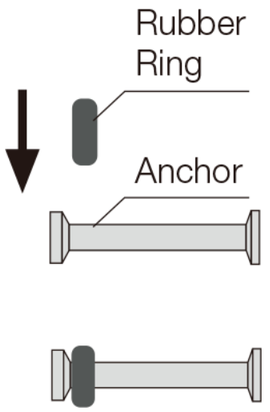


3. Puddle in anchor until void former is flush with wet concrete

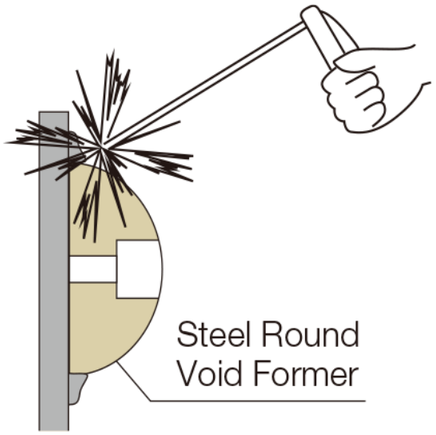
2 Installation of Double Head Rubber Recess Former using

Steel Recess Formers are usually welded directly to the walls of steel moulds.
These formers may also be bolted to steel or timber moulds.

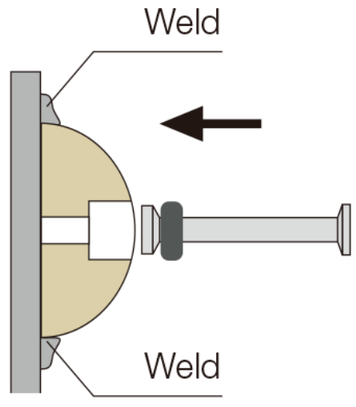
Installation of GME Rubber Recess Former



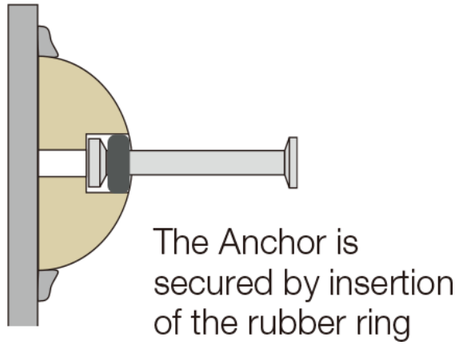
1.Secure Rubber Ring around anchor head



2. Weld Steel Recess Former to the steel mould.



3. Insert Unilift Anchor with the attached RR Rubber Ring into the SRF Steel Recess Former



4. Unilift anchor in final position secure to the SRF Steel Recess Former