



IMPORTANT - READ IMMEDIATELY

RADLOCK Carriageway System - Fixing Instructions For Temporary Trenches / Holes

SYSTEM OVERVIEW:

The Radlock Carriageway System is a lockable composite road plating system. The system comprises inner composite road plates with flexible ends and end composite road plates with flexible ends and sides. The composite road plates are held in place with the Radlock Series 15 locking mechanism, which holds the plates in place by operating the extending legs into the sides of an excavated trench. The boards are also held in line by integral steel hook adaptors, which hold the boards closely together.

INSPECTION:

Prior to each use of the Radlock carriageway system, a visual inspection should be carried out, in order to check for cracks, cracked welds and missing or damaged parts on the composite road plate and the Radlock Series 15 locking mechanism.

Measure the excavation to ensure that the carriageway system will completely cover the excavated trench, allowing for the two end board flexible edges to fit in the available space prior to excavating the trench / hole

IF THE RADLOCK LOCKING MECHANISM or COMPOSITE BOARDS APPEAR DAMAGED IN ANY WAY, IT SHOULD NOT BE USED AND REMOVED FROM SERVICE IMMEDIATELY.

SAFETY GUIDELINES:

Maximum Trench Width 700mm

Maximum vehicle weight 44000kg - 5750kg Single Wheel Load

Each Radlock Series 15 locking mechanism weighs 5.2kg

Each inner composite road plate weighs 44kg and can be lifted using manhole keys by two operatives

Each end composite road plate weighs 48kg and can be lifted using manhole keys by two operatives

Check the condition of each Radlock Series 15 locking mechanism and each composite road plate prior to installation

Maximum vehicle speed over the system is 30mph (recommended safe max 10mph)

Risk Assessments and Method Statements must be agreed with Site Supervisor and 'RAMP' signs may be required to warn motorists

All Radlock Locking mechanisms must be regularly greased on the threaded bar to ensure ease of use.

DO NOT USE IF ANY DAMAGE IS IDENTIFIED



EQUIPMENT REQUIRED:

Turning mechanism or wrench c/w 24mm Socket

Manhole lifting Key (2No.)

INSTALLATION:

- 1 Align the first composite road plate (end board) centrally over the excavated trench at the start of the excavated trench.

- 2 Prior to fixing the composite road plate over the excavation, tilt the plate on edge in order to attach the Radlock Series 15 locking mechanism to the bayonet plate, located on the underside of each plate. Turn the Radlock series 15 lock into the Bayonet plate to secure it

- 3 The Radlock series 15 lock is secured to the bayonet fitting by tightening the thumb screw attached to the lock

- 4 Once the first end composite road plate is located correctly over the excavation, and Radlock series 15 locking mechanism is in position, place the turning mechanism through the pre-drilled hole in the plate surface, locating onto the Radlocks' threaded bolt and tighten Radlock series 15 lock against the sides of the excavation.

- 5 Using the manhole lifting keys to carry it, fit the first inner board against end board previously fitted, ensuring that it locates gently with the male/female locators, once the male adaptors are through the openings, pull the board in the direction indicated on the surface of the board to engage the male locking adaptors on each board

- 6 Follow steps 5 & 4, and repeat this procedure for the remaining inner plates. in order to complete the laying of the Carriageway System, finishing with the remaining end composite road plate

- 7 Check that all of the Radlock series 15 locking mechanisms are suitably tightened and that the system is installed correctly before leaving site



NEVER OVER-TIGHTEN RADLOCK CENTRAL BOLT

DISMANTLING:

- 1 In order to remove the composite road plates, it is necessary to disengage the Radlock mechanisms. Start this process at either end plate. Place the turning mechanism through the pre-drilled hole in the composite road plate on to the Radlock threaded bolt, turn anti-clockwise to disengage the legs of the Radlock series 15 lock.



2

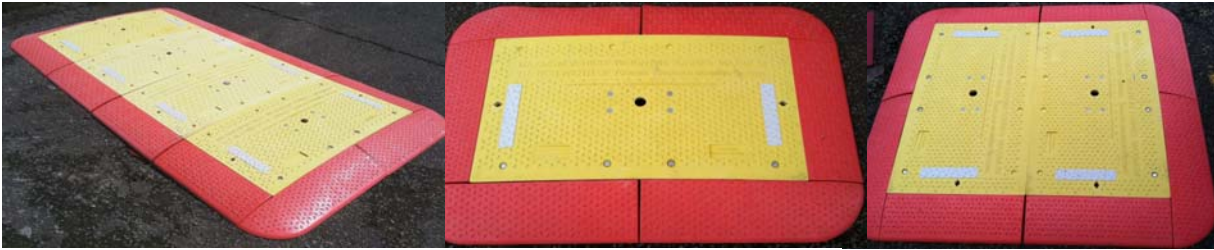
Once loose, lift the composite road plate with the manhole lifting keys to remove the plate and repeat this procedure until the trench or hole is clear of the system



MAINTENANCE:

Keep the Radlock series 15 locking mechanisms clean
When not in use, always leave the Radlock Series 15 locking mechanism in the fully closed position
Periodically apply grease to all moving parts

OTHER ROAD PLATE CONFIGURATIONS



Road Crossing / Linear Metre Carriageway System - designed for 700mm Trench
1 No. Inner Road Plate with 4 sides rubber - ideal for driveways or small trenches not exceeding 700mm x 1000mm in the Carriageway - (Dims - 1500x990mm)
2No. End boards attached to cover emergency holes or small trenches in carriageway - ideal for Core Vac Single & Fig 8 holes (Dims - 1500x1580mm)

RADLOCK LOCKING MECHANISM

DO's AND DONT's

