

ELEVATA[®]



Single Fix Solution
for Raising Ironwork

WREKIN
traditional and innovative solutions

Innovation

Wrekin are again leading the way through innovative design with the launch of ElevAta access covers and gully gratings, the *'single fix solution for raising iron work'*. ElevAta provides a simple and very cost effective solution to the expensive and inconvenient problem of raising iron-work on roads surfaces prior to final road surface course application.

Recent changes to planning permission for new estate roads state;

'...all manhole covers & gully gratings shall be set to the level of the temporary running surface until immediately prior to the laying of the final wearing course'.



EN124 D400
HA 104/02
BS 7903
(all standards achieved throughout the range).



The associated costs for breaking out and reinstating iron work prior to final road surface course are very substantial and inconvenient. Typically it can take two men 2 hours to breakout and reinstate one standard manhole cover assembly.

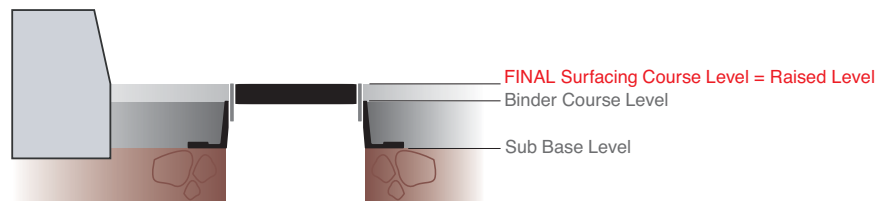
Our design objective was to develop a simple and efficient raising system that provides contractors with the ability to raise manhole covers quickly and safely, without the need to breakout and re-bed the assembly.

Manhole Cover & Frame

- 1 Spacer Bar (Only used in lower position)
- 2 Double Triangular Cover
- 3 Raising Frame
- 4 Manhole Cover Frame
- 5 Fixing Bolts (x8)
- 6 Cover Coupling Bolts (x2)



(The manhole cover assembly fully functional)



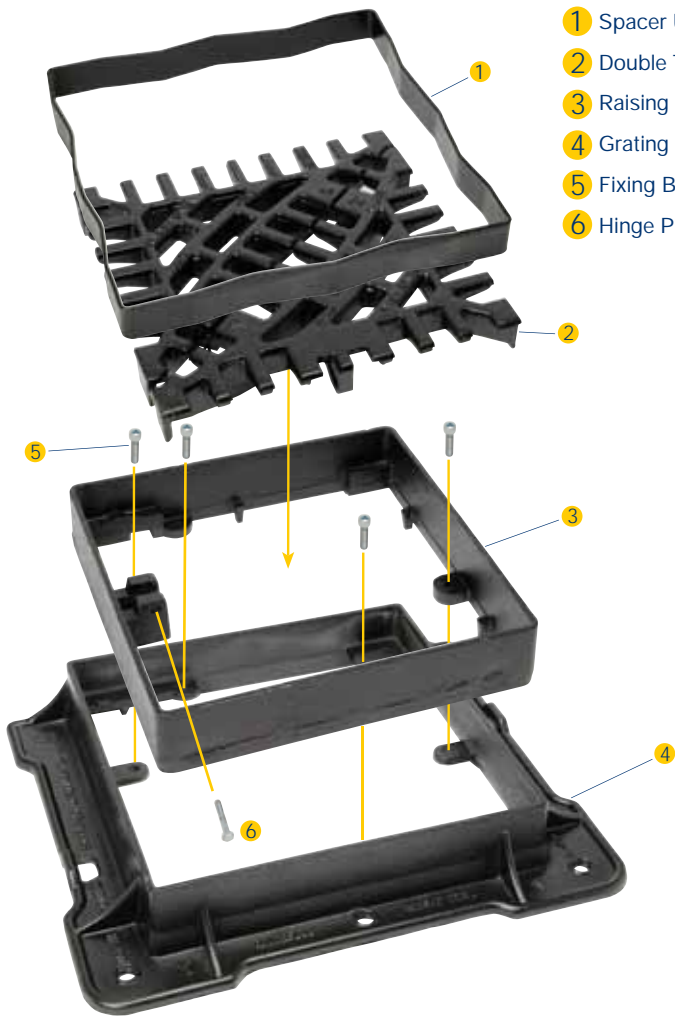
ElevAta - single fix solution for raising ironwork

ElevAta has been designed specifically to make the process of raising ironwork on Estate Roads both quick & easy, the frame only needs to be bedded in once and the whole assembly can then be raised in minutes using the bolting kits supplied. ElevAta installation involves 2 basic steps:

First Fix - Install the unit frame level to the binder course (lowered position). It is recommended that the installer has purchased one raising unit (3) to provide a reference level for the final surfacing course. Two heights of raising frames are available, which can raise the assembly 30mm & 40mm to suit the 2 standard surfacing course depths for Estate roads.

Second Fix - Raising the assembly to the surfacing course level. Simply order the correct height of raising frame (30mm or 40mm), then follow the instruction manual and bolting kit supplied to fix the raising frame into position and replace the cover/grating.

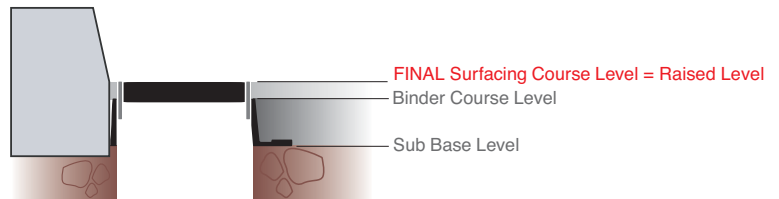
Gully Grate & Frame



- 1 Spacer Unit (Only used in lower position)
- 2 Double Tri Hinged Grating
- 3 Raising Frame
- 4 Grating Frame
- 5 Fixing Bolts (x4)
- 6 Hinge Pin/Bolt (x1)



(The gully grating assembly fully functional)

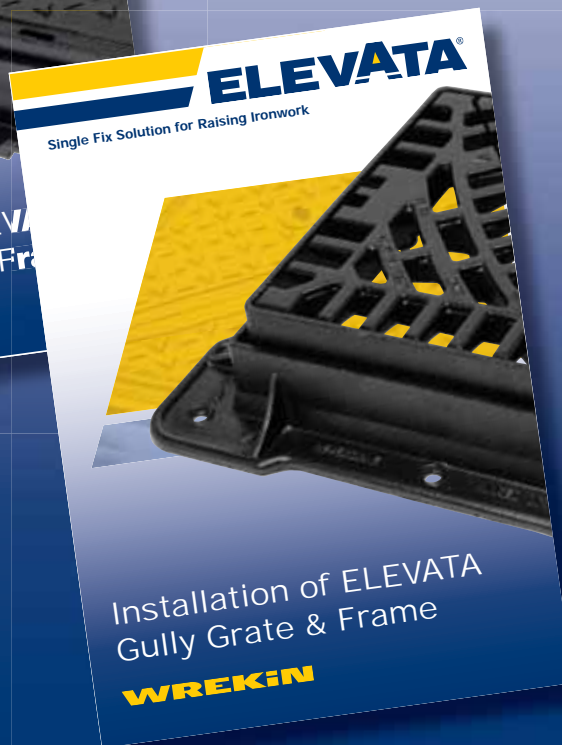
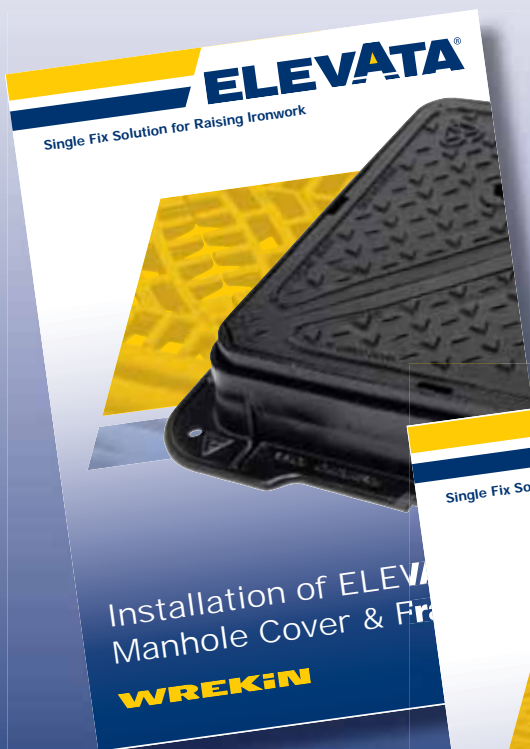
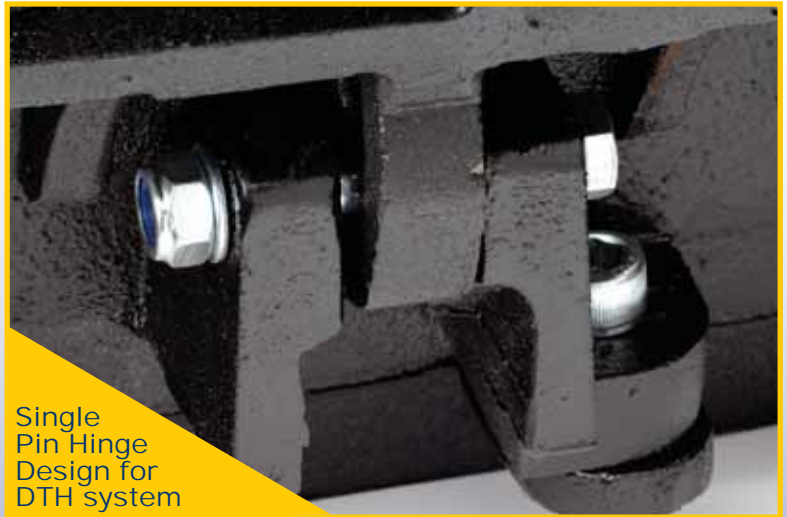


Benefits of the ElevAta design:

- Only one bedding installation required!
- Time saved, typically it takes 2hrs to raise 1 manhole cover (+24hrs curing time), ElevAta can reduce this time to under 10 mins for a manhole cover & less than 5 mins for a gully grating!
- No jack hammer required, removing the risk of damage to the bedding sub-structures & manhole cover frame!
- No requirement to build-up the supporting substructures!
- ElevAta provides a useful and accurate reference for both the Binder course level (lowered position) & the surfacing course level (raised position), ensuring the optimum tarmac depth is maintained.
- The ElevAta grating incorporates DTH (Double Tri Hinged) patented design feature, the grating is both captive hinge and double triangular (non-rocking).
- Fully Kitemarked in both lowered and raised positions.

The First Double Triangular & Captive Hinge Gully Grating

The ElevAta Gully grating incorporates a revolutionary patented new design feature a 'Captive Hinged & Double Triangular Non-Rocking Arrangement' (DTH - Double Tri Hinged), which is also reversible within the frame. Manufactured to HA104/2 & BS 7903, this revolutionary design answers all the requirements of a truly non-rocking & captive grating assembly.



Installation Guides Available

Wrekin would like to acknowledge the contribution of George Newman for his part in the ElevAta development.



E-Grid

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Woven Geotextile

MULTITRACK
Non Woven Geotextile



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