

AutoStable Installation

Step 1

- Install Conical Guide Frame on Concrete structure.
- Allow minimum 4" (100 mm) from top of guide frame to anticipated finished grade.

Step 2

- Compact granular 6" (150 mm) around Guide Frame.

Step 3

- Slide Ductile Iron inner frame into Guide Frame.

Step 4

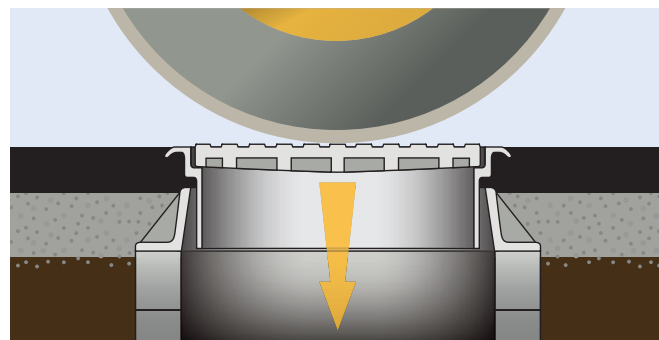
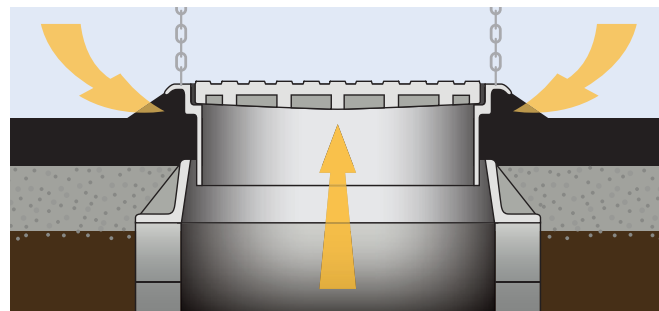
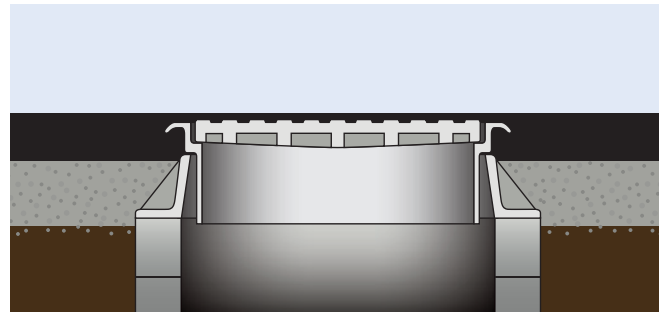
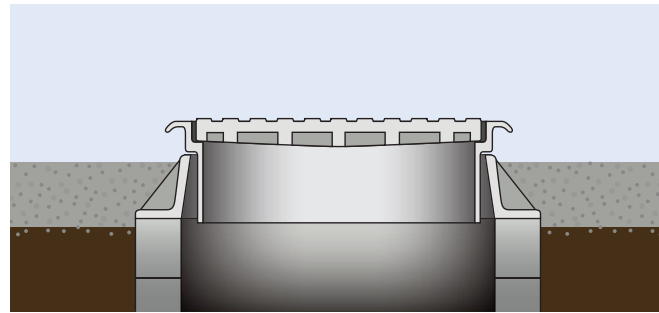
- Raise **AutoStable** inner frame.
- Distribute asphalt evenly underneath the flange of inner frame.
- Asphalt must be well compressed under flange to a minimum thickness of 2" (50 mm) around entire circumference of frame.

Step 5

- Lower **AutoStable** inner frame.
- The **AutoStable** frame must never rest on top of guide frame. Ensure a minimum 2" (50 mm) between guide frame and inner frame.
- Clean seating area of cover of asphalt and foreign material.
- Place cover.

Step 6

- Run roller compactor over **AutoStable** frame and cover.
- It is important that the roller run directly over the centre of **AutoStable** initially.



For a list of installations in Ontario and testimonials from satisfied AutoStable specifiers, or to arrange a product demonstration, please contact us:



BIBBY-STE-CROIX

AutoStable

(self-level)

Pavement Integrated Frame

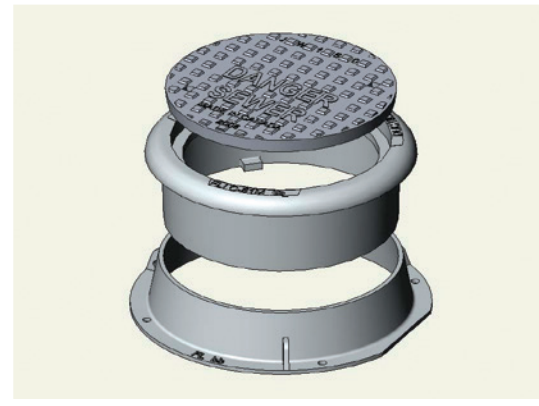
Prevents Sinking & Pavement Cracking



The **AutoStable** is a product that has revolutionized street castings.

AutoStable applies the perfect principal for dealing with the well known problems of conventional castings.

The three piece design allows **AutoStable** to become an integral part of the road, responding to traffic loads and frost action. Traffic weight is distributed horizontally at the road surface and is not transferred to the structure beneath.



The **AutoStable** has proven itself to be a cost effective alternative to conventional street castings.



- With the **AutoStable** installation the frame becomes an integral part of the road, responding to the changes in level caused by traffic and frost action.
- Traffic weight is distributed horizontally at the road surface and is not transferred directly to the structure beneath.
- The manhole's concrete structure, isolated from traffic loads, is far less prone to degradation and sinking.



- With a conventional installation the standard frame sits on the manhole's concrete structure.
- The passing of heavy vehicles creates intense pressure on the frame.
- This impact is transferred to the concrete structure.
- With time this strain seriously damages the structure and the assembly joints until the entire structure begins to sink.

Installation of **AutoStable** on a Hill (Cone Shaped Frame)

With conventional products installations in non-level surfaces can be cumbersome. Achieving surface-level installations on hills is difficult. Cross grades create further complications.

With **AutoStable** - adjustments on hills and cross-grades are made with ease.

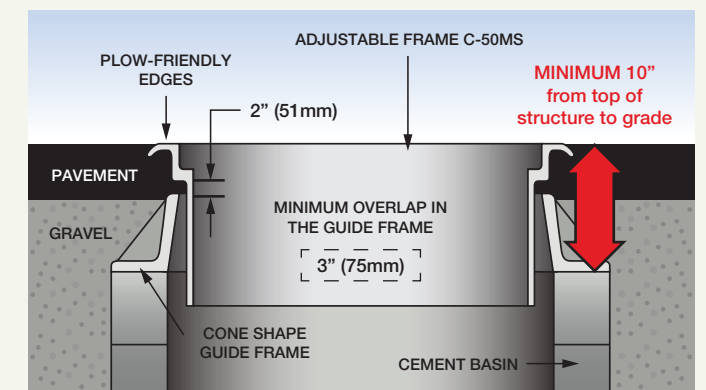
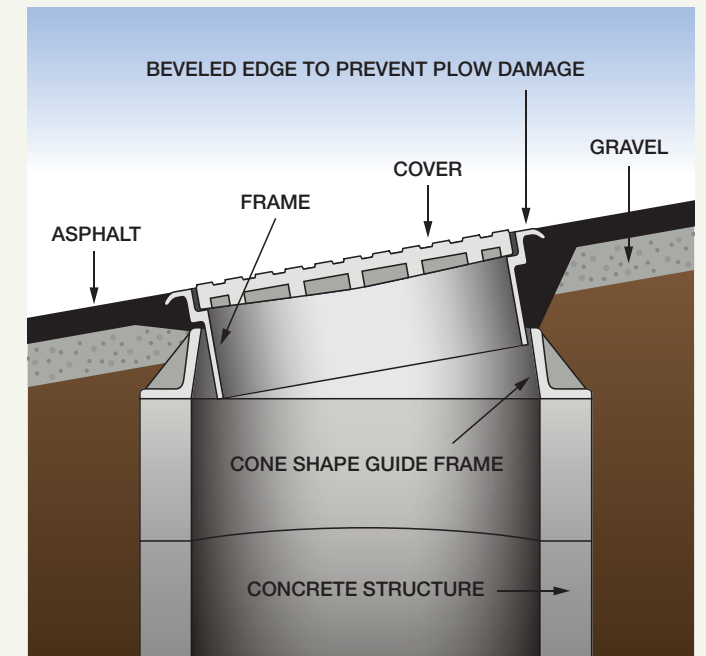
- The cone shaped guide frame allows the inner frame to slide precisely without shifting laterally.
- This conical design allows the inner frame to tilt to any grade.

With conventional manhole frames and covers grade adjustments are difficult. Several methods are commonly employed with mixed results.

- Typically these methods require additional materials and labour intensive reconstruction.
- Initial installations made prior to the completion of final grade cause the protrusion of castings above the road surface until paving is complete, creating traffic hazards.

With **AutoStable** grade adjustments are made quickly and easily.

- No additional materials (lift rings) are required.
- The asphalt surrounding the casting is broken out and the inner frame is raised to grade.
- Adjustments to final grade are easily made.



NOTES: The Cone shape guide frame must not be situated in the pavement.



Conventional

- Conventional frame and covers are fixed to the structure beneath.
- With the asphalt rising and lowering around the casting the roadway begins to crack.
- These cracks allow considerable groundwater infiltration and accelerated deterioration of the roadway.

AutoStable

- The **AutoStable** inner frame becomes an integral part of the road responding to fluctuations.
- The manhole raises and lowers with the road preventing the stresses which cause pavement cracking.
- Road deterioration and potential groundwater infiltration is reduced as a result.