

# Installation: Flat grate with 4 ledges



This presentations will assist you with the installation of a Fabco Industries, StormBasin into a flat grate storm sewer drain.

The procedure assumes you have previously surveyed the drain and have purchased the appropriate StormBasin unit.

This presentation also assumes that the metal road grate is fitted to a frame having support ledges on all 4 sides.



## Begin: Measure clear space

Clear space is the free area defined by the grate support ledges. The StormBasin mounting flanges hang on and inside these ledges.

These mounting flanges connect to the StormBasin box using a series of sliding dovetail ways. You can vary the position of the mounting flanges by selecting dovetail ways closer or further from the inner edge. At least two dovetails must be used for attachment

The Flanges should be attached so that the distances between opposing sides is within  $\frac{1}{2}$ " of the measured clear space dimension.



## Adjustable dovetails

Measure the Length (L to R) of the clear space and transfer this measurement to the flanges mounted on either end. Use the vertical back edge of the flange for reference.

Measure the width (F to B) of the clear space and transfer this measurement to the flanges mounted at the front and back of the box.

Remember the flanges can be set at most  $\frac{1}{2}$ " smaller than the absolute clear space measurements.



# Insert StormBasin



Once you have set the positions of the mounting flanges lower the box into the open drain.

All four (4) sides should be supported by the frame ledges.



# Install corner splash guards



After hanging the StormBasin by the mounting flanges you will notice that the flanges do not cover the last few inches of each end. This results in unprotected openings at the corners

To cover these openings use the corner flashing pieces provided in the installation kit. Attach these 4 corners to the flanges using the self-drilling screws as shown in the photo. 2-screws per corner piece.



## Install cartridges

With the StormBasin mounted install the cartridge (s). The cartridges install through the hole in the bottom. Twist clockwise to lock in place.



## Completed system



Replace the drain grate and the installation is complete.

