

# Linear Shower Drains

## Introduction

The installer should be familiar with the construction of a traditional mortar bed shower, using a shower pan Liner and 3 piece shower drain (aka clamp down drain). The linear drain will essentially replace the strainer of the 3 piece shower drain, so the installation process will be almost identical. We have included some links below which we have found to be useful. An exploded view of a typical clamp down shower drain is shown above for reference. This type of drain is inexpensive and readily available in home improvement stores.

## Installation Overview

1. Determine the location of the Clamp Down drain, and connect the drain base to the waste outlet.
2. Create a sloped mortar layer towards the clamp down drain base, and install the shower pan liner, securing it with the clamping ring.
3. Place the linear drain channel uncoupled into the clamp down drain. The drain barrel may be removed entirely, or used as an adapter for the linear drain when the strainer is removed. The linear drain is not coupled tightly to the clamp down drain. This method will create additional escape paths for the water, which will soak into the top mortar layer with regular use of your shower. (This is the same principle as the weep holes of the clamp down drain).
4. Build up the final mortar layer around the linear drain channel, and slope it towards the linear drain channel. Make sure to account for the finished tile height, which should be about 1/16" higher than the linear channel edge.

## References

Google search terms "Oatey Shower Pan Liner Installation"

[http://www.youtube.com/watch?v=dRwu1SE\\_Ass](http://www.youtube.com/watch?v=dRwu1SE_Ass)

<http://www.oatey.com/doc/Shower%20Pan%20Liner.pdf>

<http://www.johnbridge.com/how-to/shower-pan-liner-installation/>

<https://www.youtube.com/watch?v=CXTAkwMqtEc>

