

Deep Series US Trench Drain Installation Instructions

Important: US Trench Drain should always be installed with the grate attached to the channel.

Installation is: Easy As 1. Prepare 2. Install 3. Finish

1. Prepare Trench

Dig a trench of at least 7 ¼" deep x 10" wide and place compacted bedding sand or concrete in the base. Ideally the trench drain should be sloped at a grade of 1% to prevent water pooling along the length of trench drain. Use a string line to ensure straightness and the correct finish height.

2. Install Channel

Connect US Trench Drain sections together using the easy male to female interlocking system. It is recommended that you connect 3 lengths of US Trench Drain together with the grates attached before placing it into the trench. It is also recommended to cover the grates with a masking tape to prevent backfill falling into the trench or damaging the finish of your grate during the concreting process. Connect a US Trench Drain End Cap to the highest point of your trench drain.

To change direction of your trench drain, use a US Trench Drain Corner Piece to change the direction to the left or right, or to use a US Trench Drain Tee piece to change the direction to the left and right. It is also possible to cut and join US Trench Drain in 8" increments using the US Trench Drain Converter piece SKU **83370**. The Converter can also be used to connect male ends of the trench drain or the male end of a trench drain to a Corner Piece, End Cap or End Multi pipe Adaptor. When using the converter piece, it is necessary to trim the locking piece of the connecting rib using a sharp knife.

At the lower end of the trench drain, the trench drain can either be connected by using another end cap or by using a Deep Series **End Multi pipe Adaptor SKU 83355** to connect to 3" & 4" Schedule 40 plain end pipe, 3" & 4" ABS plain end pipe, 4" Triple wall solid or perforated pipe, or 4" Corrugated solid or perforated pipe.

If you want to connect the pipe to the bottom outlet of the trench drain you can use a Deep Series **Bottom Multi pipe adaptor SKU 83356**, by cutting out the inner circle collar of the channel and installing the pipe adaptor to connect to 3" & 4" Schedule 40 plain end pipe, 3" & 4" ABS plain end pipe, 4" Triple wall solid or perforated pipe, or 4" Corrugated solid or perforated pipe.

US Trench Drain recommends using our **Poly Adhesive sku 20095** when connecting to the PVC, ABS or HDPE pipe to the channel outlets or the multi pipe adaptors.

DO NOT USE PVC GLUE

3. Finish Installation

US Trench Drain expansion joint SKU **50006** or **50012** should be installed on both sides of the trench drain along its whole length. Upper edge of the strip should be level with the upper edge of the trench drain. This allows for the grates to be removed once installed should cleaning be necessary. If installing in concrete, please cover the grates during the pouring of concrete to avoid damaging your grates or prevent backfill entering the channel.

Once you are ready to start laying your drain, position the trench drain into the concrete slurry or compacted sand so that the feet of the trench drain are completely immersed. Our unique design will prevent the need to stake the trench drain into place, as it will not float.

With the US Trench Drain and grate in place, pour concrete along the outer walls of the trench drain to a thickness of 2" Lightly compact and finish the concrete slightly above the surface level of the grate (approximately 1/8"). This will promote runoff from the surrounding areas into the drain.

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Instrucciones de la instalacion de para US Trench Drain Deep

1. Prepare la fosa

Cave una fosa del menos 7 ¼" de profundidad x 10" de ancho y coloque arena compacta o concreto blando en la base. Idealmente la fosa debe estar inclinada a un grado del 1% por longitud del canal para prevenir la acumulacion de agua a lo largo de la longitud del canal. Use una cuerda para asegurarse que quede recto y a la altura final correcta.

2. Instale el canal

Connecta las secciones de US Trench Drain, usando el sistema de entrelazamiento simple macho a hembra. Se recomienda conectar tres longitudes de US Trench junto con las rejillas adjuntas, antes de colocarla en la zanja. Se recomienda cubrir las rejillas con cinta adhesive para prevenir relleno innecesario en el canal o danar el terminado delas rejillas durante el proceso coloque una tapa US Trench Drain en el extremo mas alto del canal.

Para cambiar la direccion de su trinchera, utilice una pieza de esquina US Trench Drain para cambiar la direccion hacia la izquierda o hacia la derecha puede utilizar una pieza T US Trench Drain. Tambien es possible cortar y unir los canales US Trench Drain en incrementos de 8" usando una pieza conversora SKU 83370. El convertidor tambien se puede utilizar para conectar los extremos machos del drenaje, el extremo macho a una pieza de esquina, una tapa de extremo o una tapa adaptadora de tuberia multiple.

Cuando se use el conversor es necesario recortar la pieza de cierre de la linea de conexion con un cuchillo afilado. El extremo bajo del canal puede contecarse usando una tapa final o una tapa adaptadora de tuberia multiple SKU 83355 para conectar a 3" y 4" schedule tuberia 40 de extremo liso, 3" y 4" ABS tuberia lisa, 4" tuberia solida o perforada de triple pared. Si desea conectar la tuberia a la salida inferior puede utilizar un adaptador de tuberia multiple inferior de nuestra serie profunda SKU 83356 cortando el circulo inferior del canal y instalando el adaptador para conectar 3" y 4" schedule 40 tuberia de extremo liso, 3" y 4" ABS tuberialisa o 4" tuberia solida o profunda de triple pared. US Trench recomienda usar nuestro Poly Adhesive sku 20095 cuando se conecta a la tuberia de PVC, ABS o HDPE. a las salidas de canal o a los adaptadores multitubo. **No usar PVC pega.**

3. Termine la instalacion

US Trench Drain cinta de dilatacion SKU 50006 o 50012 deberia ser instalada en ambos lados a lo largo del canal. La orilla de la cinta de dilatacion debe ser nivelada con la orilla del canal esto permite remover las rejillas una vez instaladas limpiarlas ocasionalmente es necesario.

Si son instaladas en concreto por favor cubra las rejillas durante el proceso del concreto para eliminar dano alas rejillas y prevenir relleno en el canal.

Con el canal y rejillas US Trench Drain en su sitio, vierta concreto a lo largo de las parades exteriors del canal hasta un espesor de 2". Compacte suavemente y dele una terminacion ligera al concreto sobre la superficie de las rejilla (aproximadamente 1/8") para promover el drenaje del area aledan a hacia el desague.