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Rapid Trench – Reducing Labor Burden and Improving Quality

Composed of a patent pending support bracket and rigid frame, Rapid Trench provides an installation system designed to significantly improve the productivity and precision installment of modular trench drain.

The traditional methods of installing trench drain have proven to be very labor intense and lack efficiency. This has resulted in many direct labor contractors rejecting opportunities to install the product or omitting it from their scope of work. While some trench drain designs include modest features, all lack essential design characteristics that actually address the fundamental challenges of installing modular trench drain with precise alignment combined with efficiency, until now.

Based entirely on field research, installer feedback, and thorough evaluation of several trench drain designs, Rapid Trench developed a new design of support brackets and alignment frames to specifically address the installation inefficiencies affecting trench drain manufactured of polymer concrete, plastic, and fiberglass. The Rapid Trench system remedies three distinct problems when installing any modular system: linear alignment, vertical adjustment, and horizontal adjustment.

These three key factors contribute significantly to the productivity and degree of precision achievable when installing ALL trench drain products. Rapid Trench utilizes a unique alignment-frame to allow a continuous assembly to positively adjoin multiple channels, providing a precisely aligned modular trench system. The frame eliminates the traditional need for a temporary wood or plastic filler. In addition, the frame maintains enough strength to tolerate heavy construction traffic, allowing the installer to leave it in place until final grating is installed.

The Rapid Trench support bracket is available in multiple profiles for supporting different channel widths and materials. When combined with the alignment frame, the number of support brackets can be substantially reduced, yet retain significant rigidity. Traditional installations require three times as many supports or rebar attachments compared to Rapid Trench. Even in applications requiring the widest trench profile, Rapid Trench will reduce support brackets and rebar requirements by 50%. When combining the use of the Rapid Trench alignment-frames and support brackets, the installer will experience a direct labor savings of 50% or greater.