



January 2021

Rapid Trench – Reducing Labor Burden and Improving Quality

Composed of a patented support bracket and rigid frame (U.S. Patent No. 9,506,234), 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 labor intensive 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.

Developed through hands-on experience, 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 the job is done and the grates are 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 are reduced by 50%, yet retain significant rigidity. This results in less material and less labor. When combining the use of the Rapid Trench alignment-frames and support brackets, installing contractors typically experience a direct labor savings of 70% or greater. For example, on a project in a FedEx building, a 3-man crew was scheduled 4-days to install 2 x 100 foot runs of ACO K100 for a FedEx project (approximately 100-man hours, or 2-feet/hour). With Rapid Trench, the crew ended up doing it in just 18-man hours, or approximately 10-feet/hour.

While you gain maximum efficiency using both the alignment frame and bracket together, you can also benefit from using the bracket alone – taking advantage of it's sturdy construction and wide horizontal adjustment.

Feel free to contact us directly to answer any questions or to get a quote.

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