The MD Brace

The MD Brace Hydraulic Ram
A 6” aluminum dual-acting cylinder encased in steel box tubing, the ram provides an operating range of 9’8” (2.9m) to 13’ (3.9m). The adjustability of the MD Brace enables a variety of excavation shapes to be safely shored.

The Hydraulic Strut
The Hydraulic Strut (available in multiple capacities), allows the complete system to achieve larger standard and custom sized projects.

Hanging & Intermediate Chains
The Hanging Chains act as a fail-safe if the system where to lose pressure and the Intermediate Chain are used for projects requiring multiple levels of rams.*

The GME Guard Rail System
Serving as an extra precautionary measure, providing temporary railing around excavations and trenches.

The MD Brace Extension
Paired with the MD Brace Hydraulic Ram, the extension is a static component that allows for an array of lengths. Available lengths include:
- 3’3” (1m)
- 4’11” (1.5m)
- 9’10” (3m)
- 16’4” (5m)
- 22’11” (7m)
- 32’9” (10m)

The Strut Extension
Designed to be used in conjunction with the Hydraulic Strut, the Strut Extension provides extra length, when needed.

Hydraulic Pump
A gas powered, double-acting pump capable of producing 2,500 psi in both directions. The Hydraulic Pump includes 30” long hoses with quick disconnect sockets.

Excavation Support System
The MD Brace is designed to use variety of approved shoring components (sheet pile, beam and plate), increasing the overall usability.

Job site photos are strictly intended for general product information only and may not comply with all applicable safety standards. Always refer to manufacturers’ specific tabulated data, O.S.H.A. 29 CFR 1926 Subpart P for excavations, and all applicable safety standards prior to each use.
The MD Brace system is engineered to be used with a variety of excavation support systems (sheet pile, beam and plate) on a wide range of projects including: linear applications, bridge footings, soil remediations, tank installations and a myriad of other large projects.

Using just the system’s hydraulic rams and extensions, excavations are able to range from 9’9” (2.9m) to 75’5” (23m) in length and width.* In many cases, due to jobsite conditions, the clearspan capabilities of the system are limited and require a center or corner strut. With the inclusion of our hydraulic struts (available in multiple capacities), the maximum width of the excavation will be determined by an engineer while the length of the excavation is limitless.

The optimal working depth of the MB Brace system is 12’ (3.6m) to 30’ (9.1m). The overall capacity of the system can achieve depths greater than 30’ (9.1m)!*

For further information and details, please contact GME at 800-248-2054.

**General Installation Steps**

These steps are a guideline. Every project is going to differ from the last and may require a different way to install.

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*Site-specific engineering is required on all MD Brace projects. A Registered Professional Engineer will determine the number of braces, spacing and allowable system depth, based upon soil and jobsite conditions.*
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