GME® HYDRAULIC SHIELDS consist of lightweight, aluminum sidewalls, coupled with heavy-duty hydraulic struts. The strut contains a hydraulic cylinder and return spring, and is protected by steel box tubing.

A uniquely designed manifold allows the user to precisely control the flow of fluid to each cylinder, while safely outside the trench. This makes hydraulic shields ideal for irregular size excavations.

The shields may be used in a hydraulic mode, providing full pressure on the sides of the trench, or in a static mode – much like a standard trench shield.

Because of their light weight and easy assembly, these shields can be handled easily by rubber-tired backhoes. They are ideal for municipal maintenance or repair projects, utility or cable work, and light- to moderate-duty general underground contracting.

FEATURES

- Lightweight aluminum sheeting sidewalls with sturdy lifting eyes
- Heavy-duty skid plates and sheeting caps reinforce top and bottom of sheeting sidewalls
- Heavy-duty steel box tubing protects cylinder, and features end-loading capability for 3- or 4-sided use
- Multiple pinning locations in strut permit a wide range of settings when the shield is used in a static mode
- Fold-down steel manifold cover protects manifold when shield is in use, yet permits quick access to hydraulic hook-ups
- Certified by a registered professional engineer to meet OSHA standards
Dimension “A” is “pipe clearance”, or the vertical distance from the bottom of the lower Strut to the bottom of the Shield.

Dimension “B” is “open work area”, or the horizontal distance between Struts.

In cohesive soils, clearances can be increased per OSHA’s 29 CFR 1926.652 (g)(5) and GME’s Manufacturers Tabulated Data.

Cut-outs

These are replaceable or non-replaceable cut-outs. Cut-outs make it easier to work around crossing utility lines, and simplify lateral connections. Standard cut-outs are 20” x 24”, and are positioned in the center at the bottom of the sidewall. Custom cut-outs are available on request.

End panels

These end panels are pre-engineered and attach quickly for 3- or 4-sided applications. End panel sizes match strut sizes, and are completely adjustable throughout the range of the strut.

Wheel kits

Optional wheel kit helps make the static mode hydraulic shield easier to move, and can increase pipe clearance.

Leg kits

For use with static shields to increase pipe clearance.