

GME® HYDRAULIC SHIELDS



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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.



Cut-away view of hydraulic strut.

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



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HYDRAULIC SHIELDS														
MODEL NUMBER	SIZE (FEET)		WT. (LBS.)	OPERATING RANGE (MIN-MAX)	CLEARANCE (INCHES)		MAXIMUM DEPTH PER SOIL TYPE (FT.)*							
	H	L			A	B	A		B		C (60)		C (80)	
							HYD	STAT	HYD	STAT	HYD	STAT	HYD	STAT
HS-5x5-2640	5	5	720	29-43"	22	45	25	25	25	25	25	21	16	16
HS-5x5-3250	5	5	777	35-53"	22	45	25	25	25	25	25	21	16	16
HS-5x5-3859	5	5	848	41-62"	22	45	25	25	25	25	25	21	16	16
HS-5x5-4468	5	5	932	47-71"	22	45	25	25	25	25	25	21	16	16
HS-5x5-5692	5	5	1020	59-95"	22	45	25	25	25	25	25	21	16	16
HS-6x6-2640	6	6	850	29-43"	22	57	25	25	25	25	25	21	16	16
HS-6x6-3250	6	6	905	35-53"	22	57	25	25	25	25	25	21	16	16
HS-6x6-3859	6	6	976	41-62"	22	57	25	25	25	25	25	21	16	16
HS-6x6-4468	6	6	1060	47-71"	22	57	25	25	25	25	25	21	16	16
HS-6x6-5692	6	6	1167	59-95"	22	57	25	25	25	25	25	21	16	16
HS-6x8-2640	6	8	1053	29-43"	22	81	25	25	25	25	25	21	16	16
HS-6x8-3250	6	8	1101	35-53"	22	81	25	25	25	25	25	21	16	16
HS-6x8-3859	6	8	1164	41-62"	22	81	25	25	25	25	25	21	16	16
HS-6x8-4468	6	8	1253	47-71"	22	81	25	25	25	25	25	21	16	16
HS-6x8-5692	6	8	1341	59-95"	22	81	25	25	25	25	25	21	16	16
HS-6x10-2640	6	10	1216	29-43"	22	105	25	25	25	25	25	21	16	16
HS-6x10-3250	6	10	1272	35-53"	22	105	25	25	25	25	25	21	16	16
HS-6x10-3859	6	10	1348	41-62"	22	105	25	25	25	25	25	21	16	16
HS-6x10-4468	6	10	1428	47-71"	22	105	25	25	25	25	25	21	16	16
HS-6x10-5692	6	10	1525	59-95"	22	105	25	25	25	25	25	21	16	16
HS-6x12-2640	6	12	1392	29-43"	22	129	25	25	25	21	21	16	12	12
HS-6x12-3250	6	12	1448	35-53"	22	129	25	25	25	21	21	16	12	12
HS-6x12-3859	6	12	1524	41-62"	22	129	25	25	25	21	21	16	12	12
HS-6x12-4468	6	12	1604	47-71"	22	129	25	25	25	21	21	16	12	12
HS-6x12-5692	6	12	1692	59-95"	22	129	25	25	25	21	21	16	12	12
HS-8x8-2640	8	8	1162	29-43"	22	81	25	25	25	25	25	21	16	16
HS-8x8-3250	8	8	1221	35-53"	22	81	25	25	25	25	25	21	16	16
HS-8x8-3859	8	8	1275	41-62"	22	81	25	25	25	25	25	21	16	16
HS-8x8-4468	8	8	1388	47-71"	22	81	25	25	25	25	25	21	16	16
HS-8x8-5692	8	8	1457	59-95"	22	81	25	25	25	25	25	21	16	16
HS-8x10-2640	8	10	1364	29-43"	22	105	25	25	25	25	21	19	15	15
HS-8x10-3250	8	10	1418	35-53"	22	105	25	25	25	25	21	19	15	15
HS-8x10-3859	8	10	1489	41-62"	22	105	25	25	25	25	21	19	15	15
HS-8x10-4468	8	10	1573	47-71"	22	105	25	25	25	25	21	19	15	15
HS-8x10-5692	8	10	1660	59-95"	22	105	25	25	25	25	21	19	15	15
HS-8x12-2640	8	12	1578	29-43"	22	129	25	25	23	16	17	12	9	9
HS-8x12-3250	8	12	1658	35-53"	22	129	25	25	23	16	17	12	9	9
HS-8x12-3859	8	12	1714	41-62"	22	129	25	25	23	16	17	12	9	9
HS-8x12-4468	8	12	1810	47-71"	22	129	25	25	23	16	17	12	9	9
HS-8x12-5692	8	12	1903	59-95"	22	129	25	25	23	16	17	12	9	9

HYD = Hydraulic Application STAT = Static Application
 Depths are based on A, B, C soil types as described in OSHA's 29 CFR Part 1926 Subpart P, October 31, 1989 with Type A not exceeding 25 PSF per foot at depth. Type B not exceeding 45 PSF per foot of depth and Type C not exceeding 60 PSF per foot of depth. Determine actual soil pressures and consult Manufacturer's Tabulated Data prior to each use.

OPTIONS



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.

