

Manhole Trench Shields



MH Series

The square manhole trench shield configuration provides the needed inside clear span while reducing the amount of excavation and restoration required. The Manhole Trench Shield is built off the same rugged frame as a 4M trench shield. Cut-outs and replaceable doors are available.

The MH Series is designed to use 5" Sch. 80 (5DS) connected spreaders which are included with the shields and provide up to 45" of vertical pipe clearance. The MH Series is suited for 40,000 lb. to 60,000 lb. excavators.

Optional cut-out sizes available:
24" x 24" & 36" x 36"



Model	Size			Pipe Clearance	Weight (lbs.)	Shield Cap (PSF)*	Maximum Depth per Soil Type (ft.)*			
	H	W	L				A	B	C-60	C-80
SINGLE-WALL										
MH8SW	8'	8'	8'	45"	3717	655	30	19	15	12
MH10SW	8'	10'	10'	45"	4270	426	21	13	11	9
MH48SW	4'	8'	8'	N/A	2533	844	37	22	17	13
MH410SW	4'	10'	10'	N/A	2920	575	25	15	12	9
DOUBLE-WALL										
MH8DW	8'	8'	8'	45"	4387	2160	90	52	40	31
MH10DW	8'	10'	10'	45"	5084	1641	70	40	31	25
MH12DW	8'	12'	12'	45"	5781	1297	56	33	26	20
MH48DW	4'	8'	8'	N/A	2866	2160	88	50	38	29
MH410DW	4'	10'	10'	N/A	3332	1813	75	42	32	25
MH412DW	4'	12'	12'	N/A	3999	1347	56	32	24	19
DOUBLE-WALL WITH CUT-OUTS										
MH8DW w/CO	8'	8'	8'	45"	4387	1924	81	47	36	28
MH10DW w/CO	8'	10'	10'	45"	5084	1252	54	32	25	20
MH12DW w/CO	8'	12'	12'	45"	5781	879	39	24	19	15

Additional sizes are also available



Model	Size		Weight (lbs.)	Shield Cap (PSF)*	Maximum Depth per Soil Type (ft.)*			
	Dia.	H			A	B	C-60	C-80
RMH 8.5 x 4	8.5'	4'	920	1920	32	32	32	21
RMH 8.5 x 8	8.5'	8'	1609	1920	32	32	32	21
RMH 10 x 4	10'	4'	1100	1862	32	32	32	21
RMH 10 x 8	10'	8'	1969	1862	32	32	32	21
RMH 8.5 x 8 w/RC	8.5'	8'	2319	1649	25	25	25	17
RMH 10 x 8 w/RC	10'	8'	2675	1649	25	25	25	17

Additional sizes are also available

Optional Replaceable cut-out (RC) sizes:

RMH 8.5 x 8 w/RC - Two (2) 55" w x 40" h, One (1) 29" w x 24" h

RMH 10 x 8 w/RC - Two (2) 72" w x 48" h, One (1) 41" w x 30" h

RMH Series

Specially designed for personal protection during manhole installations and repair work, the Round Manhole Shields feature high strength corrugated steel walls with reinforced top and bottom rings.

Optional cut-outs and replaceable doors are available as are adjustable leg kits. Round Manhole Shields are designed to be used with rubber tired backhoes.

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.

Manhole Trench Shields

Octagon Manhole

GME Octagon Shields are 8-sided, all-welded, and pre-assembled. They are ideal for contractors, municipal water and sewer departments, plumbers, and all types of utility contractors who are engaged in routine water main or gas-line repairs and maintenance work.

Featuring cutouts with bolt-on doors on four sides, allowing clearance and access to junctions and crossing lines. The all-steel construction offers strength, and the single wall design keeps the weight low. Designed for use with excavators in the 40,000 lb. to 60,000 lb. range.

Model	Size			Trapezoid Door Size Height x Top x Bottom	Weight (lbs.)	Maximum Depth per Soil Type (ft.)*			
	H	W	L			A	B	C-60	C-80
OCT 488	4'	8'	8'	No Doors	2450	88	50	38	29
OCT 688	6'	8'	8'	18" x 23" x 38"	3500	79	45	35	27
OCT 888	8'	8'	8'	23" x 23" x 42"	4652	76	44	34	26
OCT 41010	4'	10'	10'	No Doors	3152	60	34	26	20
OCT 61010	6'	10'	10'	18" x 23" x 38"	4485	53	31	24	19
OCT 81010	8'	10'	10'	23" x 23" x 66"	5252	52	31	24	19
OCT 41212	4'	12'	12'	No Doors	4094	30	30	23	17
OCT 81212	8'	12'	12'	48" x 48" x 72"	7100	30	30	23	17



WTB Series

Tap Boxes are a 4-sided, all-welded, preassembled trench shield system. Ideal for crews who routinely do water main repairs and maintenance. The WTB Series can be built as a 3" or 4" wall trench shield that features 24" x 24" cutouts and doors (larger cutouts are available) on all sides, allowing for lines coming into and out of the work area.

Designed for use with rubber tired backhoes and excavators up to the 50,000 pound range.

*PSF (pounds per square foot) ratings indicate maximum shield capacities. Depths are based on A, B, C and C-80 soil types as described in O.S.H.A.'s 29 CFR Part 1926 Subpart P, October 31, 1989 with Type A not exceeding 25 PSF per foot of depth, Type B not exceeding 45 PSF per foot of depth, Type C not exceeding 60 PSF per foot of depth and Type C-80 not exceeding 80 PSF per foot of depth. Determine actual soil pressure and consult manufacturers Tabulated Data prior to each use.