

# Manhole Shields

## 4 in. Single and Double Wall Manhole Shields

### Uses:

Efficiency's specifically designed Manhole Shields are available with 4 in. wide steel panels in single or double walled models. They can be used in two, three, or four-sided configurations with an independent spreader system.

### Features:

- Reinforced top rails.
- Adjustable and stackable.
- Thru-wall lifting lugs.
- Four-point lift system.
- Thru-wall collars.
- Pinned spreader connections.
- Strongest knife edge in the industry.
- Plug welding on double wall shields.
- High strength mill certified steel.
- Professional Engineer design and depth certification.

### Options:

- Two, three, and four-sided shields.
- Tapping shields.
- Corner End Plate Style Ends.
- Wrap Around Corner End Plates.
- T-connection cut-outs.
- Removable Corner End Plates.
- Pushing blocks.
- Foam filler.
- Corner brackets.
- Custom paint.

### Spreader Options:

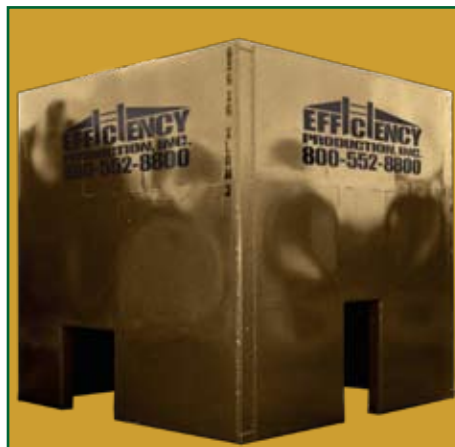
- 4" schedule 40.
- 6" schedule 80.
- 8" schedule 80



Two-Sided Manhole Shield (MHXLD)



Three-Sided Manhole Shield



Tap Box with cut-outs



Four-Sided Manhole Shield



MHXLD-CEP



MHXLDW

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## 4 in. Single and Double Wall Manhole Shields

### Manhole Shield w/o Corner End Plates 4 in. Single and Double Wall Shield

Model (Ht. x Lg.)	Weight (Lbs.)	Pipe Clearance "C" (In.)	Shield Capacity (PSF)	Depth of Cut (Ft.) Soil Type		
				B	C-60	C-80
<i>4 in. Single Wall</i>						
88 MHXLS	2,500	52	840	19	14	10
810 MHXLS	2,950	52	660	15	11	8
812 MHXLS	3,580	52	600	13	10	7
814 MHXLS	4,090	52	540	12	9	7
816 MHXLS	4,520	52	480	11	8	6
<i>4 in. Double Wall</i>						
88 MHXLD	3,970	52	2,220	45	37	28
810 MHXLD	4,640	52	1,980	41	33	25
812 MHXLD	5,660	52	1,680	35	28	21
814 MHXLD	6,370	52	1,440	29	24	18
816 MHXLD	7,050	52	1,320	27	22	16



Without Corner Protection

### Manhole Shield w/ Corner End Plates

Model (Ht. x Lg.)	Weight (Lbs.)	Pipe Clearance "C" (In.)	Shield Capacity (PSF)	Depth of Cut (Ft.) Soil Type		
				B	C-60	C-80
<i>4 in. Single Wall</i>						
88 MHXLS-CEP	3,600	52	840	19	14	10
810 MHXLS-CEP	4,050	52	660	15	11	8
812 MHXLS-CEP	4,680	52	600	13	10	7
814 MHXLS-CEP	5,190	52	540	12	9	7
816 MHXLS-CEP	5,620	52	480	11	8	6
<i>4 in. Double Wall</i>						
88 MHXLD-CEP	5,070	52	2,220	45	37	28
810 MHXLD-CEP	5,740	52	1,980	41	33	25
812 MHXLD-CEP	6,760	52	1,680	35	28	21
814 MHXLD-CEP	7,470	52	1,440	29	24	18
816 MHXLD-CEP	8,150	52	1,320	27	22	16



Spreaders attach to shield sidewalls

With Corner End Plate

### Manhole Shield w/ Wrap Around Corner End Plates

Model (Ht. x Lg.)	Weight (Lbs.)	Pipe Clearance "C" (In.)	Shield Capacity (PSF)	Depth of Cut (Ft.) Soil Type		
				B	C-60	C-80
<i>4 in. Single Wall</i>						
88 MHXLSW	4,900	52	840	19	14	10
810 MHXLSW	5,370	52	660	15	11	8
812 MHXLSW	5,940	52	600	13	10	7
814 MHXLSW	6,410	52	540	12	9	7
816 MHXLSW	6,980	52	480	11	8	6
<i>4 in. Double Wall</i>						
88 MHXLDW	5,130	52	1,320	29	22	16
810 MHXLDW	5,840	52	1,320	29	22	16
812 MHXLDW	6,430	52	1,320	29	22	16
814 MHXLDW	7,300	52	1,320	29	22	16
816 MHXLDW	7,990	52	1,320	29	22	16



Spreaders attach to End Plates

With Wrap Around Corner End Plates