

**GME**<sup>®</sup>  
TRENCH PROTECTION SPECIALISTS

**GME** Trench  
Protection  
Specialists



# ALUMINUM TRENCH SHIELDS



# 4AEX Shields

## Lightweight Aluminum Trench Shield

### GME 4AEX SHIELDS

The GME Aluminum Extruded Trench Shield is a rugged, 4" wall shield that comes standard with a tough, T-6 knife-edge and rugged top cap. Massive, extruded end members insure strength. Because it's aluminum, 4AEX can be handled by today's lighter excavators, allowing you to match your equipment to the proper machine.

### OPTIONS

- Rugged collar adapters for 5" pipe spreaders
- Lifting eyes
- Knife-Edge or No Knife-Edge
- Standard lengths up to 16 feet
- Custom lengths on request
- Custom painted spreaders and accessories (picture left)
- Certified by a registered professional engineer to meet OSHA standards



Top Cap



Standard Knife-Edge

4AEX - 4" ALUMINUM EXTRUDED WALL									
Model	H	Size		Weight (lbs.)	Pipe Clearance	Maximum Depth Per Soil Type (ft.)			
		L	W			A	B	C-60	C-80
4AEX-68	6'	8'	4"	1,438	36"	99	64	49	37
4AEX-610	6'	10'	4"	1,708	36"	91	52	40	30
4AEX-612	6'	12'	4"	2,050	36"	64	37	28	22
4AEX-614	6'	14'	4"	2,301	36"	45	26	20	16
4AEX-616	6'	16'	4"	2,539	36"	31	18	15	12
4AEX-88	8'	8'	4"	1,736	48"	79	46	35	27
4AEX-810	8'	10'	4"	2,195	48"	64	37	29	23
4AEX-812	8'	12'	4"	2,631	48"	54	32	25	20
4AEX-814	8'	14'	4"	2,937	48"	46	27	21	17
4AEX-816	8'	16'	4"	3,197	48"	32	19	16	13

NOTE: 4AEX Boxes come standard with Knife-Edge and protective top cap. Optional No Knife-Edge panels are available.



# 4AEX Shields

4" Extruded Wall & Spreader Options



## 4AEX ACCESSORIES & SPREADER SETS

### 4AEX LIFT & STACK ACCESSORIES

Model	Weight (lbs.)
4AEX-LE Lift Eye Set (4)	24
Nylon Sling - 6-ft.	7
Nylon Sling - 8-ft.	9
2AEX-SP Stacking pins (4) 12' (incl. bolts)	20

### 5DS SPREADER SETS:

#### LOOSE 5" SCHEDULE 80 PIPE

Model	Inside Width	Weight (lbs.)
5DS24	24"	198
5DS30	30"	259
5DS36	36"	305
5DS42	42"	352
5DS48	48"	394
5DS54	54"	430
5DS60	60"	473
5DS72	72"	557
5DS84	84"	641
5DS96	96"	725
5DS108	108"	809
5DS120	120"	893
5DS132	132"	934
5DS144	144"	1,017

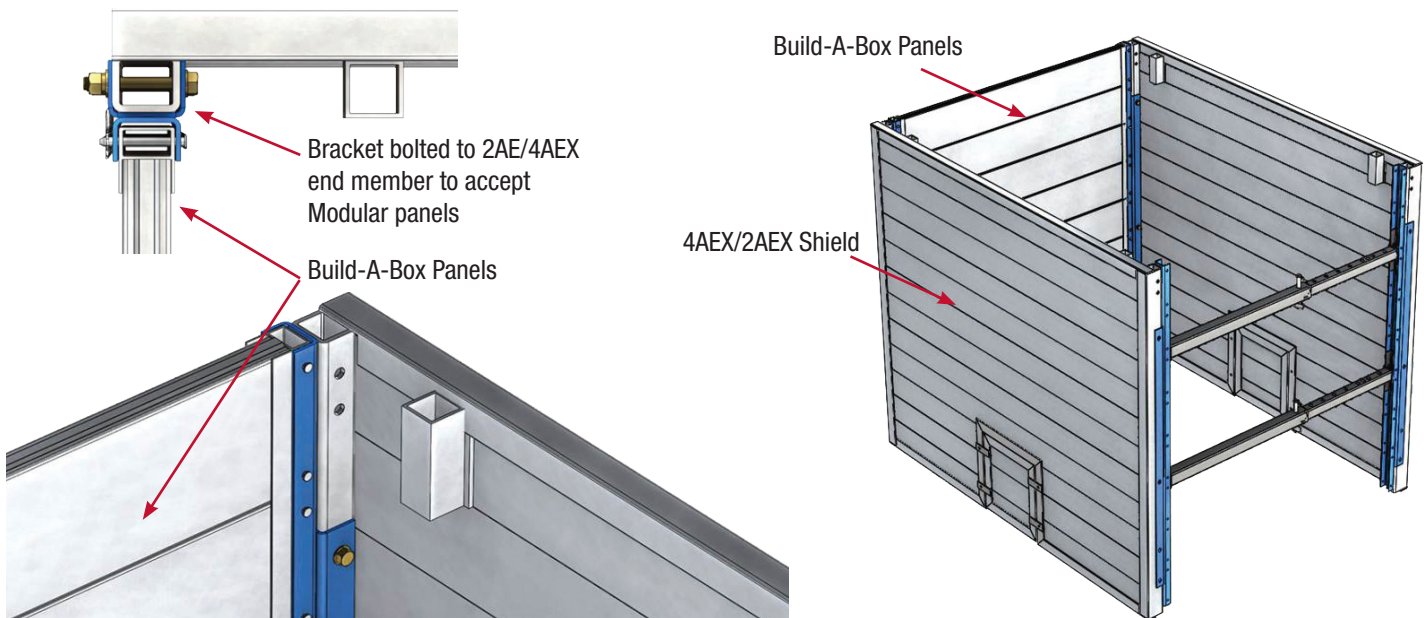
5DS Spreader & Adapter Bracket



4AEX-LE Lift Eye



## AEX / BUILD-A-BOX CONVERSION KIT



# 2AEX

## Lightweight Aluminum Trench Shield

### GME 2AEX SHIELDS

The GME 2AEX Shield is an aluminum extruded shield with a slim, 2" wall that comes standard with a tough, T-6 knife edge and rugged top cap. Massive, extruded end members ensure strength. Available in lengths up to 12-feet, it is sized for rubber-tired backhoes, and priced competitively.

### OPTIONS

- Standard square-box tubing struts
- End loading struts
- 5" Schedule-80 pipe
- Screw-jack type struts
- Lifting eyes and bridle
- Pull bar
- Knife-Edge or No Knife-Edge
- Certified by a registered professional engineer to meet OSHA standards



2AEX - 2" ALUMINUM EXTRUDED WALL									
Model	H	Size		Weight (lbs.)	Pipe Clearance	Maximum Depth Per Soil Type (ft.)			
		L	W			A	B	C-60	C-80
2AEX-66	6'	6'	2"	724	30"	68	38	28	21
2AEX-68	6'	8'	2"	906	30"	58	32	24	18
2AEX-610	6'	10'	2"	1,088	30"	34	19	14	11
2AEX-612	6'	12'	2"	1,270	30"	24	13	10	8
2AEX-86	8'	6'	2"	943	36"	55	31	23	17
2AEX-88	8'	8'	2"	1,177	36"	55	31	23	17
2AEX-810	8'	10'	2"	1,412	36"	34	19	14	11
2AEX-812	8'	12'	2"	1,647	36"	24	13	10	8

NOTE: 2AEX Boxes come standard with Knife-Edge and protective top cap. Optional No Knife-Edge panels are available.

GME 2AEX SHIELD SPREADER SETS		
Model	Range	Weight (lbs.)
2AEX-AB	ADAPT BRCKTS	64
2AEX-2640	26" - 40"	28
2AEX-3250	32" - 50"	34
2AEX-3859	38" - 59"	41
2AEX-4468	44" - 68"	47
2AEX-5692	56" - 92"	62

END-LOADABLE STRUTS		
Model	Range	Weight (lbs.)
2AE X-SS-AB	ADAPT BRCKTS	80
2AEX-SS-2640	26" - 40"	54
2AEX-SS-3250	32" - 50"	66
2AEX-SS-3859	38" - 59"	78
2AEX-SS-4468	44" - 68"	92
2AE X-SS-5692	56" - 92"	114

LITE-SHIELD™ STRUTS		
Model	Range	Weight (lbs.)
LSS-AB	ADAPT BRCKTS	64
24LSS-1	24" - 32"	12
24LSS-2	32" - 48"	16
24LSS-2.5	40" - 64"	21
24LSS-3	51" - 86"	25

2AEX PULL BARS		
Model	Range	Weight (lbs.)
2AEX-PB-40	26" - 40"	26
2AEX-PB-50	32" - 50"	32
2AEX-PB-59	38" - 59"	41
2AEX-PB-68	44" - 68"	54
2AEX-PB-92	56" - 92"	62

2AEX LIFT & STACK ACCESSORIES	
Model	Weight (lbs.)
2AEX-LE Lift Eye Set (4)	24
Nylon Sling - 6-ft.	7
Nylon Sling - 8-ft.	9
2AEX-SP Stacking pins (4) 12' (incl. bolts)	20
2AEX-PB-92	62

NOTE: Pull bars come with built-in Lift Eyes (2). Extra 1/2 set Lift Eyes are required with Pull Bar.

**5" Schedule-80 steel spreader pipe** also available as an option

# 4AEX-SF / 6AEX-SF

## 4" & 6" Steel Wrapped Aluminum Shields



### STEEL WRAPPED ALUM. TRENCH SHIELDS

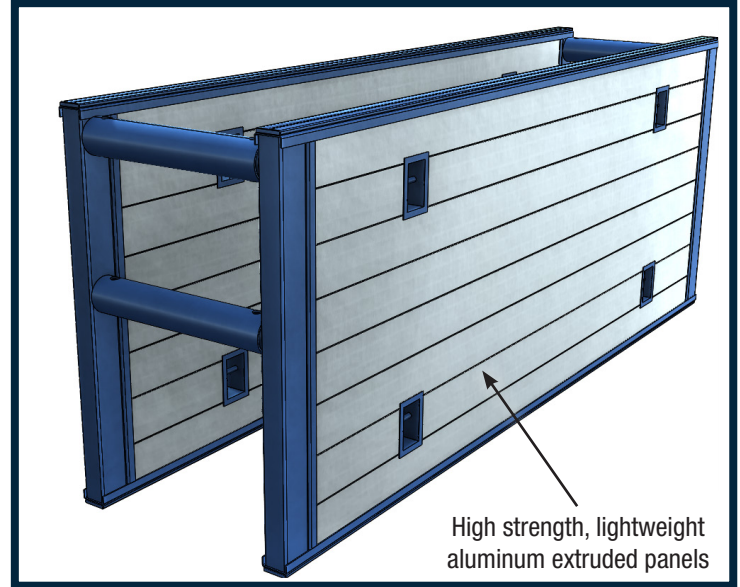
GME's 4AEX-SF / 6AEX-SF series aluminum trench shields with steel tube frames offer greater rigidity to the shield that is ideal for utility work or other spot repair, but are still light enough to be handled by rubber-tire backhoes or small excavators.

#### FEATURES

- 4" and 6" thick sidewalls
- Steel thru-wall collars
- Multiple panel lengths
- Use of 5" Sch. 80 and 8" Sch. 80 spreaders
- Recessed lifting lugs

#### OPTIONS

- Foam Filling
- Pull Eyes
- Knife Edge or No Knife Edge
- Stacking Pockets
- Push Pads



High strength, lightweight aluminum extruded panels

#### 4AEX-SF - 4" STEEL WRAPPED ALUMINUM EXTRUDED WALL

Model	H	Size		Weight (lbs.)	Pipe Clearance	Maximum Depth Per Soil Type (ft.)			
		L	W			A	B	C-60	C-80
4AEX-412SF	4'	12'	4"	2,370	24"	49	28	21	16
4AEX-416SF	4'	16'	4"	2,920	24"	30	17	14	11
4AEX-420SF	4'	20'	4"	3,520	24"	16	10	8	6
4AEX-612SF	6'	12'	4"	3,950	36"	64	37	28	22
4AEX-616SF	6'	16'	4"	3,680	36"	31	18	15	12
4AEX-620SF	6'	20'	4"	4,400	36"	16	10	8	5
4AEX-812SF	8'	12'	4"	3,530	48"	54	32	25	20
4AEX-816SF	8'	16'	4"	4,600	48"	32	19	16	13
4AEX-820S	8'	20'	4"	5,380	48"	18	12	10	8

The steel wrapped 4" sidewall aluminum trench shield provides depth ratings from 10' for the larger shields, to 21' for the smaller shields (in C-60 soils).

#### 6AEX-SF - 6" STEEL WRAPPED ALUMINUM EXTRUDED WALL

Model	H	Size		Weight (lbs.)	Pipe Clearance	Maximum Depth Per Soil Type (ft.)			
		L	W			A	B	C-60	C-80
6AEX-816SF	8'	16'	6"	5,350	61"	42	25	20	16
6AEX-820SF	8'	20'	6"	6,400	61"	34	20	16	13
6AEX-824SF	8'	24'	6"	7,355	61"	21	13	11	9

The steel wrapped 6" sidewall aluminum trench shields is the perfect balance of lighter weight for smaller excavators, but strong enough for maximum production.

#### 5DS SPREADER SETS: LOOSE 5" SCHEDULE 80 PIPE

Model	Inside Width	Weight (lbs.)
5DS24	24"	198
5DS30	30"	259
5DS36	36"	305
5DS42	42"	352
5DS48	48"	394
5DS60	60"	473
5DS72	72"	557
5DS84	84"	641
5DS96	96"	725
5DS108	108"	809

#### 8DS SPREADER SETS: LOOSE 8" SCHEDULE 80 PIPE

Model	Inside Width	Weight (lbs.)
8DS24	24"	387
8DS30	30"	474
8DS36	36"	561
8DS42	42"	647
8DS48	48"	734
8DS60	60"	908
8DS72	72"	1,081
8DS96	96"	1,428
8DS120	120"	1,776
8DS144	144"	2,123





# Lite-Shield™

## Lightweight Aluminum Trench Shield

### GME LITE-SHIELD™ 24

The Lite-Shield™ 24 Series offers you a wide choice of panel lengths, from 2 to 12 feet. The lightweight 24-inch panels can be transported easily, even in a pick-up.

The system assembles in just minutes at the jobsite. Tongue-in-groove panels are easily aligned, and mechanical screw-jack struts provide fast, variable adjustment. For maximum versatility, the system can be used as a two, three, or four-sided configuration.

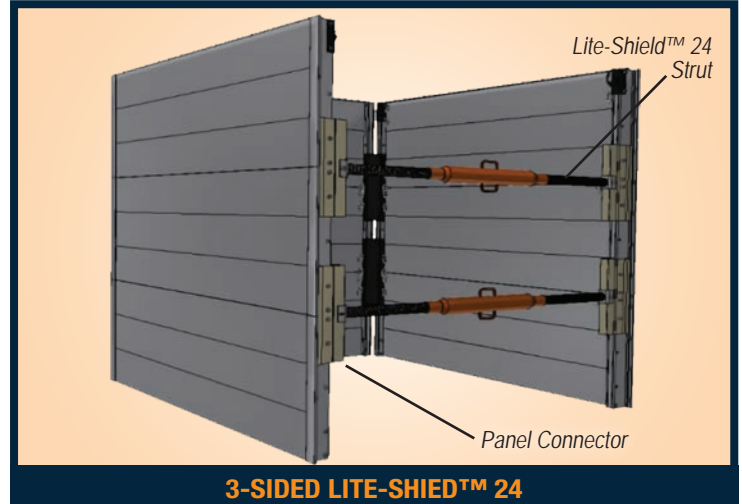
### FEATURES

- Strong yet lightweight 6061-T6 aluminum construction
- 2-inch wall thickness
- Foam filling available as an option
- Unique keyed locking pin requires no keepers
- Certified by a professional engineer to meet OSHA standards
- Made in U.S.A.

LITE-SHIELD™ 24 PANELS		
Model	Dimensions (L x H x W)	Weight (lbs.)
24LSP-3	36" x 24" x 2"	45
24LSP-4	48" x 24" x 2"	63
24LSP-5	60" x 24" x 2"	75
24LSP-6	72" x 24" x 2"	86
24LSP-8	96" x 24" x 2"	114
24LSP-10	120" x 24" x 2"	140
24LSP-12	144" x 24" x 2"	155

SHIELDING SYSTEM CAPACITY DEPTH CHART				
Model	Maximum Depth Per Soil Type (ft.)			
	A	B	C-60	C-80
24LSP-3	50	50	40	30
24LSP-4	50	50	40	30
24LSP-5	50	50	40	30
24LSP-6	50	34	31	22
24LSP-8	50	32	24	18
24LSP-10	33	20	14	11
24LSP-12	23	13	10	7

MAXIMUM VERTICAL PIPE CLEARANCE = 24 INCHES



### LITE-SHIELD™ STRUTS

Scew-jack type spreaders

LITE-SHIELD™ 24 STRUTS			
Adjustment Range (Inside Panel Dimension)			
Model	Weight (lbs.)	W/ Connector	W/O Connector
24LSS-1	12	24" - 32"	20" - 28"
24LSS-2	16	32" - 48"	28" - 44"
24LSS-2.5	21	40" - 64"	30" - 60"
24LSS-3	25	51" - 86"	47" - 82"

The screw jack strut features a shallow square thread design and is coated with a special rust inhibitor which wipes clean with a rag, for smoother performance.



**STRUTS**

### LITE-SHIELD™ PULLBAR

Adjustable Excavator Pull Bar

LITE-SHIELD™ 24 PULLBAR		
Model	Weight (lbs.)	Range
24LSPB1	24	24" - 32"
24LSPB2	32	32" - 48"
24LSPB2.5	38	40" - 64"
24LSPB3	53	51" - 86"

Pullbars are intended to aid the backhoe operator in positioning the Lite-Shield™ in the trench, as well as to pull the aluminum shield forward by using the excavator bucket to pull on the Pullbars, not the struts.



**PULLBAR**



**KNIFE-EDGE**

Knife edges make the Lite-Shield™ much more effective when digging in soft, wet, silty or sandy material. Available on 6', 8', 10' and 12' panels.



**TOP CAP**

The extruded T-6 Top Cap option provides a protective wear bar for the top panel. Available on 6', 8', 10', and 12' panels.



# Build-A-Box

## Modular Aluminum Trench Shielding System

### PURPOSE

The Build-A-Box Modular Aluminum Trench Shield System can be assembled in minutes to a wide variety of two, three, or four-sided configurations. This flexibility enables work crews to make on-the-spot design changes to meet job requirements in conditions ranging from light to extreme. Most systems are easily transported in a pick-up truck or trailer for quick application.

### COMMON APPLICATIONS

- Sewer & Water Valves
- Hydrants & Taps
- Spot Repairs
- Gas and Electric Utility

### FEATURES

- Pick-up truck transportable
- Can be hand-assembled in minutes
- Narrow, smooth 3-inch aluminum sidewalls reduce dirt build-up
- Tongue and groove design
- Foam-filled
- Lifting Lugs
- Professional Engineer design and depth certification

### OPTIONS

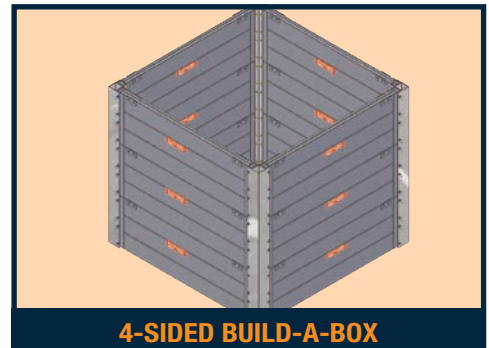
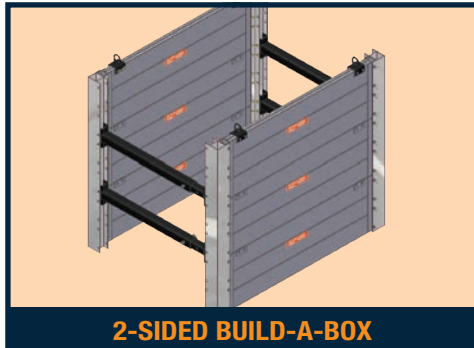
- T-connection cut-outs
- Sheeting Guide Frame
- Sectional or Full Length corner posts
- 3-Way T-Posts
- 135° angle Octagon Box posts

### SPREADER OPTIONS

- Telescoping Adjustable Spreaders
- Height Adapters







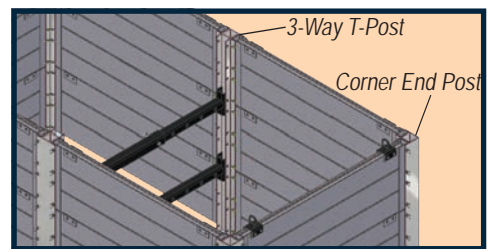
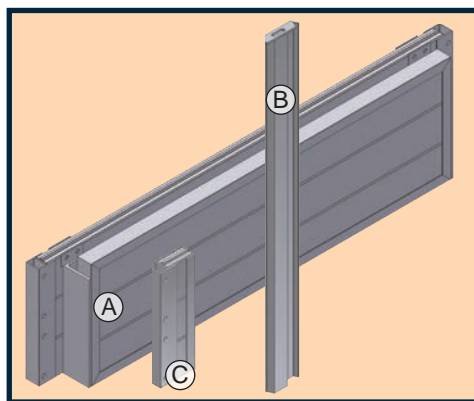
Model	Panels (2 ft. High)		BUILD-A-BOX PANELS			
	Length	Weight (lbs.)	Shield Capacity (PSF)	Maximum Depth Per Soil Type (ft.)		
				B	C-60	C-80
BAB-2	24"	34	2,400	53	40	30
BAB-3	36"	46	2,400	53	40	30
BAB-4	48"	60	2,400	53	40	30
BAB-5	60"	71	2,400	53	40	30
BAB-6	72"	84	2,400	53	40	30
BAB-7	84"	99	1,740	39	29	22
BAB-8	96"	110	1,440	32	24	18
BAB-9	108"	125	1,200	27	20	15
BAB-10	120"	138	960	21	16	12
BAB-12	144"	165	780	17	13	10
BAB-14	168"	190	600	13	10	8
BAB-16	192"	210	480	11	8	6

CORNER END POSTS		
Model	Length	Weight (lbs.)
BAB-C2-2	24"	18
BAB-C2-4	48"	36
BAB-C2-6	72"	53
BAB-C2-8	96"	69
BAB-C2-10	120"	88
BAB-C2-12	144"	126

^SHEETING GUIDE FRAME		
Model	Length	Weight (lbs.)
BAB-SGF-4	48"	119
BAB-SGF-6	72"	190
BAB-SGF-8	96"	245
BAB-SGF-10	120"	316

3-WAY T-POSTS		
Model	Length	Weight (lbs.)
BAB-C3-2	24"	19
BAB-C3-4	48"	38
BAB-C3-6	72"	57
BAB-C3-8	96"	75
BAB-C3-10	120"	95
BAB-C3-12	144"	141

^ALUMINUM SHEETS (W-PUSH CAPS)		
Model	Length	Weight (lbs.)
BAB-ALUM-SHEET-6	72"	25
BAB-ALUM-SHEET-8	96"	33
C FILLER PANEL	8"	14

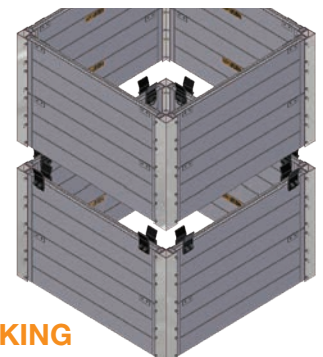
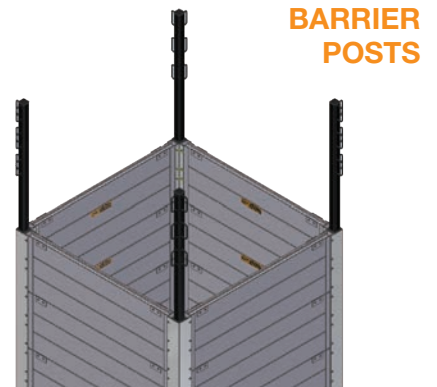


SPREADERS - ADJUSTABLE SQUARE TUBE		
Model	Length	Weight (lbs.)
BAB-TS-1826	18" - 26"	26
BAB-TS-2436	24" - 36"	36
BAB-TS-3660	36" - 60"	47
BAB-TS-4872	48" - 72"	62
BAB-TS-6096	60" - 96"	76
BAB-TS-72108	72" - 108"	89
BAB-TS-84120	84" - 120"	103
BAB-TS-96144	96" - 144"	133

HEIGHT ADAPTERS AND EXTENSIONS			
Model	Description	Weight (lbs.)	Maximum Depth C-60 (ft.)
HABAB72-HT. ADAPTAR	72" (HIGH) X 48"	620	14
HAEXT-BAB-24	24" HORIZ. EXTENSIONS	110	14
HAEXT-BAB-36	36" HORIZ. EXTENSIONS	140	14
HAEXT-BAB-48	48" HORIZ. EXTENSIONS	170	14
HAEXT-BAB-60	60" HORIZ. EXTENSIONS	200	14
HAEXT-BAB-72	72" HORIZ. EXTENSIONS	230	14
HAEXT-BAB-84	84" HORIZ. EXTENSIONS	260	14

# Build-A-Box

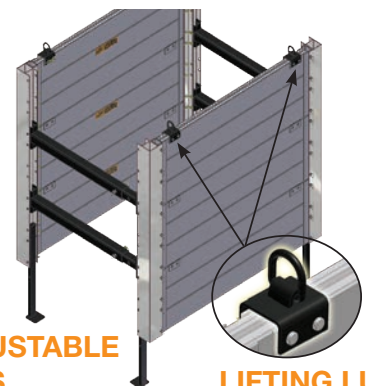
## Accessories



**STACKING GUIDES**



**ADJUSTABLE LEGS**





# Aluminum Octagon Box

Octagon-Configured Modular Build-A-Box



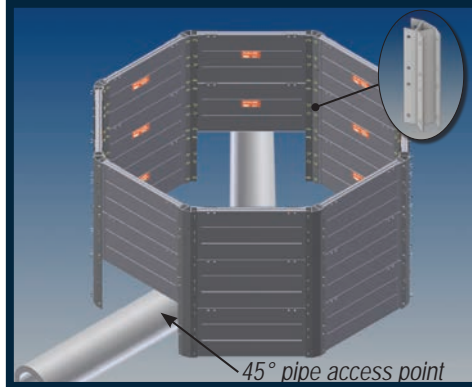
## ADVANTAGES

GME unveils the newest innovation to the industry-leading Build-A-Box Modular Aluminum Trench Shielding System: a lightweight, aluminum Octagon Box.

The Aluminum Octagon Box is comprised of standard Build-A-Box panels, pinned in exclusive 135° angle vertical posts. The result is a safe, lightweight, manhole shield that is perfectly designed to shore tightly around odd-angled laterals and other manhole leads.

## FEATURES

- Compatible with standard 24" tall Build-A-Box aluminum panels; from 2' to 5' lengths
- Inside diameter space ranging from 61" to 148"
- Provides eight different lateral pipe access points by leaving out bottom panel



135° BAB CORNER POSTS		
Model	Length	Weight (lbs.)
BBC-OCT-24	24"	22
BBC-OCT-36	36"	33
BBC-OCT-48	48"	44
BBC-OCT-60	60"	55
BBC-OCT-72	72"	66
BBC-OCT-84	84"	77
BBC-OCT-96	96"	88
BBC-OCT-120	120"	110
BBC-OCT-144	144"	132



# PRODUCER OF THE WORLD'S MOST COMPLETE LINE OF TRENCH SHORING & SHIELDING EQUIPMENT



Slide Rail Shoring



Steel Trench Shield



Height Adapters



Manhole Shield



MD Brace System



Hydraulic Shoring



Bedding Boxes



Hydraulic Shields



Exit Grids



Port-a-Bridges



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