

## ALUMINUM TRENCH BOX

### BUILD-A-BOX

#### MODULAR ALUMINUM TRENCH SHIELD SYSTEM



The Build-A-Box modular aluminum trench shield system can be quickly assembled to a wide variety of 2, 3, or 4-sided configurations.

#### USES:

- Repair Work
- Taps
- Laterals
- Limited Access Areas Using a Backhoe
- Manhole Installation

#### FEATURES:

- Pick-up truck transportable
- Can be hand-assembled in minutes
- Exclusive corner end posts - allows for unlimited box designs.
- Narrow sidewalls
- Tongue and groove design
- Foam filled
- Stackable with XLAP
- Ultra-light double wall aluminum
- Greatest strength to weight ratio in the industry
- Smooth Sidewalls to avoid dirt build-up & reduce friction
- Professional Engineer design & depth certification

#### OPTIONS:

- Sectional corner posts.
- Full length corner posts.
- 4 way corner posts.
- T-post connectors.
- Barrier posts.
- Adjustable legs.
- Splice kit.
- Wheel kit.

#### SPREADER OPTIONS:

- Adjustable spreaders.
- Arch spreaders.

BB 2-sided Build-A-Box Aluminum Modular Trench Shield with Sectional Corner Posts					
Ht x Lg. (ft.)	Weight (Lbs.)	Shield Capacity (PSF)	Depth of Cut (FL) Soil Type		
			A	B	C-60
23 BBP	40	2,400	96	53	40
24 BBP	52	2,400	96	53	40
26 BBP	76	2,400	96	53	40
28 BBP	100	1,440	58	32	24
210 BBP	124	960	38	21	16
212 BBP	148	780	31	17	13
214 BBP	170	600	24	13	10
216 BBP	194	480	19	11	8

BB 3 & 4 sided Build-A-Box Aluminum Modular Trench Shield with Sectional Corner Posts					
Width x Lg. (ft.)	Shield Capacity (PSF)	Depth of Cut (FL) Soil Type			C-60
		A	B	C-60	
4 x 4	2,160	86	48	36	
4 x 6	2,040	82	45	34	
4 x 8	1,320	53	29	22	
4 x 10	900	36	20	15	
4 x 12	780	31	17	13	
4 x 14	600	24	13	10	
4 x 16	480	19	11	8	
6 x 6	2,040	82	45	34	
6 x 8	1,260	50	28	21	
6 x 10	840	34	19	14	
6 x 12	780	31	17	13	
6 x 14	600	24	13	10	
6 x 16	480	19	11	8	
8 x 8	1,200	48	27	20	
8 x 10	840	34	19	14	
8 x 12	720	29	16	12	
8 x 14	540	22	12	9	
8 x 16	480	19	11	8	
10 x 10	780	31	17	13	
10 x 12	720	29	16	12	
10 x 14	540	22	12	9	
10 x 16	480	19	11	8	
12 x 12	660	26	15	11	
12 x 14	540	22	12	9	
12 x 16	480	19	11	8	
14 x 14	480	19	11	8	
14 x 16	480	19	11	8	
16 x 16	480	19	11	8	



1. Transported by Pick-up truck.



2. Panels are set into corner end posts.



3. Panels are stacked to desired height.



4. Spreaders are pinned in place.



5. Versatility allows for T-connections.



## ALUMINUM TRENCH BOX

### CORRU-LITE

#### CORRUGATED ALUMINUM TRENCH SHIELD



The New Corru-Lite Shield is made of lightweight aluminum and is primarily used for light utility work. The Corru-Lite can be easily transported in the back of a pick-up truck.

#### FEATURES:

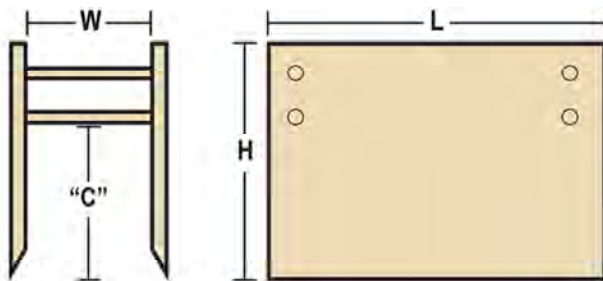
- Steel caps on top and bottom for added strength and durability
- Easily assembled by one or two people
- Easily transported in pick-up truck
- 4 point lifting system
- Molded tubular end members with recessed stacking or leg sockets
- Triple vertical tube collar design
- Pinned spreader connections
- Professional Engineer depth certification chart

#### OPTIONS:

- End kits for 3 & 4 sided protection.
- Leg kits for up to 2 ft. additional pipe clearance.
- Stacking Pins.

#### SPREADER OPTIONS:

- Static Steel
- Adjustable Steel
- Static Aluminum
- Adjustable Aluminum



Corru-Lite Corrugated Aluminum Trench Shield							
Model Ht.xLg.	Weight (Lbs.)	Pipe Clearance	Shield Capacity (psf)	Depth of Cut (ft)			
				A	B	C-60 Soil Type	
CL-24 2'x4'	106	12"	660	26	15	11	
CL-26 2'x6'	137	12"	540	22	12	9	
CL-27 2'x7'	156	12"	480	19	11	8	
CL-28 2'x8'	176	12"	480	19	11	8	
CL-210 2'x10'	215	12"	420	17	9	7	
CL-212 2'x12'	262	12"	360	14	8	6	
CL-44 4'x4'	156	12"	660	26	15	11	
CL-45 4'x5'	184	12"	660	26	15	11	
CL-46 4'x6'	212	12"	540	22	12	9	
CL-48 4'x8'	260	12"	480	19	11	8	
CL-410 4'x10'	344	12"	420	17	9	7	
CL-412 4'x12'	377	12"	360	14	8	6	
CL-56 5'x6'	275	18"	540	22	12	9	
CL-66 6'x6'	354	22"	540	22	12	9	



## ALUMINUM TRENCH BOX

### XLAP

#### 3 IN. & 5 IN. ALUMINUM DOUBLE WALL TRENCH SHIELDS



TrenchTech's XLAP™ series aluminum panel trench shields are designed specifically for municipalities, utilities, and contractors who use rubber-tired backhoe/loaders and small excavators for trenching.

#### FEATURES:

- Telescoping spreader sets in a wide variety of sizes.
- Stackable with Build-A-Box™ .
- Flat bottom or extruded aluminum knife edge on panels.
- Narrow sidewalls.
- Ultra-light double wall aluminum.
- Greatest strength to weight ratio in the industry.
- 3 in. sidewalls are smooth to prevent dirt build-up & reduce friction.
- Foam-filled wall construction prevents dirt & moisture accumulation.
- Pulling and Lifting Lugs.
- Professional Engineer design and depth certification.

#### OPTIONS:

- T-connections cut-outs.
- End panels for three and four-sided shields.
- Corner connector brackets.
- Adapters to allow use of standard XLS pipe spreaders.
- Adjustable spreaders.
- Custom spreader location.
- Steel or aluminum knife edge.
- Adjustable legs.
- Wheel kit.

#### SPREADER OPTIONS:

- XLAP-3
- XLAP-5



XLAP-5 w/ Steel End Frame, Knife Edge



XLAP™ Aluminum Shield w/ cutout



Four-Sided with XLAP™ & Build-A-Box™



XLAP™ and Build-A-Box™



End Panel, Cut-Out, & XLS Spreaders

XLAP Sidewalls 3 in. Aluminum Double Wall Adjustable Width Trench 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
46 XLAP	470	10	2,400	53	40	30
48 XLAP	590	10	1,740	39	29	22
410 XLAP	700	10	1,140	25	19	14
412 XLAP	820	10	840	19	14	10
414 XLAP	940	10	600	13	10	7
416 XLAP	1,050	10	480	11	8	6
66 XLAP	690	30	1,560	35	26	19
68 XLAP	850	30	1,200	27	20	15
610 XLAP	1,020	30	960	21	16	12
612 XLAP	1,190	30	720	16	12	9
614 XLAP	1,360	30	540	12	9	7
616 XLAP	1,520	30	480	11	8	6
86 XLAP	900	30	1,560	35	26	19
88 XLAP	1,120	30	1,200	27	20	15
810 XLAP	1,340	30	960	21	16	12
812 XLAP	1,560	30	780	17	13	10
814 XLAP	1,770	30	600	13	10	7
816 XLAP	1,990	30	480	11	8	6
108 XLAP	1,380	24	1,080	24	18	13
1010 XLAP	1,650	24	900	20	15	11
1012 XLAP	1,920	24	840	19	14	10
1014 XLAP	2,190	24	660	15	11	8
XLAP-5 Sidewalls 5 in. Aluminum Double Wall Adjustable Width Trench 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
68 XLAP-5	2,343	48	2,160	48	36	27
610 XLAP-5	2,561	48	1,740	39	29	22
612 XLAP-5	2,779	48	1,320	29	22	16
614 XLAP-5	2,997	48	1,020	23	17	13
616 XLAP-5	3,215	48	840	19	14	10
618 XLAP-5	3,512	48	720	16	12	9
620 XLAP-5	3,652	48	600	13	10	7
88 XLAP-5	2,895	58	1,560	35	26	19
810 XLAP-5	3,181	58	1,260	28	21	16
812 XLAP-5	3,466	58	1,080	24	18	13
814 XLAP-5	3,752	58	960	21	16	12
816 XLAP-5	4,038	58	840	19	14	10
818 XLAP-5	4,323	58	720	16	12	9
820 XLAP-5	5,774	58	660	15	11	8



## ALUMINUM TRENCH BOX - PRODUCT SHOWCASE



**BUILD-A-BOX**



**CORRU-LITE**



**X-LAP**

FOR MORE PRODUCT EXAMPLES &  
INSTALLATION VIDEOS PLEASE VISIT  
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