

ALUMINUM TRENCH SHIELD PRODUCT APPLICATION GUIDE



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BAB™ Purpose:

The Build-A-Box™ Modular Aluminum Trench Shielding System can be assembled in minutes to a wide variety of configurations. The modular system enables work crews to make on-the-spot design changes to meet job requirements in conditions ranging from light to extreme. Build-A-Box™ is compatible and stackable with our Aluminum Trench Shields.

Common Applications:

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

Features:

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

Options:

- T-connection cut-outs
- Telescoping spreader sets
- Sectional or Full Length corner posts
- 3-way corner posts

Spreader Options:

- XL adjustable spreaders
- Spreader Arches



BUILD-A-BOX™ FLEET

Build-A-Box™ Modular Trench Shield - Two-Sided w/ Full Length or Sectional Corner Posts					
PANEL SELECTION CHART		SHIELD CAPACITY	DEPTH OF CUT (FT) - SOIL TYPE		
HT X LG (FT)	WEIGHT (LBS)		B	C-60	C-80
2' PANEL	28	2,400	53	40	30
3' PANEL	40	2,400	53	40	30
4' PANEL	52	2,400	53	40	30
6' PANEL	76	2,400	53	40	30
8' PANEL	100	1,440	32	24	18
10' PANEL	124	960	21	16	12
12' PANEL	148	780	17	13	10
14' PANEL	172	600	13	10	8

Corner End Posts		
Model	Length (In)	Weight (lbs)
2' Corner Post	24	24
4' Corner Post	48	48
6' Corner Post	72	72
8' Corner Post	96	96
10' Corner Post	120	120

T-Corner End Posts		
Model	Length (In)	Weight (lbs)
2' Corner Post	24	28
4' Corner Post	48	56
6' Corner Post	72	83
8' Corner Post	96	111
10' Corner Post	120	139

T-Corner End Posts		
Model	Length (In)	Weight (lbs)
2' Corner Post	24	28
4' Corner Post	48	56
6' Corner Post	72	83
8' Corner Post	96	111
10' Corner Post	120	139

Adjustable Square Tube Spreaders		
Model	Length (In)	Weight (lbs)
1.5'-2' Adj Spread	18-24	26
2'-3' Adj Spread	24-36	35
3'-5' Adj Spread	36-60	47
4'-6' Adj Spread	48-72	61
5'-8' Adj Spread	60-96	76
6'-9' Adj Spread	72-108	96
8'-12' Adj Spread	96-144	134

ALUMINUM SHIELDS

Purpose:

Our aluminum panel trench shields are designed specifically for municipalities, utilities, and contractors who use rubber-tired backhoe/loaders and small excavators for trenching. Our aluminum shields are compatible and stackable with Build-A-Box™ modular panels.

Common Applications:

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

Features:

- Compatible with Build-A-Box™
- Narrow, smooth aluminum sidewalls reduce dirt build-up
- Foam-filled
- Pulling and Lifting Lugs
- Internal walers for spreaders
- Non modular. Solid sidewall panels
- Professional Engineer design and depth certification

Options & Accessories:

- Stack Guide (Optional)
- Adjustable legs

Spreader Options:

- XL adjustable spreaders
- Spreader Arches



Aluminum Trench Shields 3in Aluminum Double Sidewall Trench Shield						
Model	Weight (lbs)	Pipe CI (In)	Shield Cap (PSF)	B Soil	C-60 Soil	C-80 Soil
6'x6'	690	30	1,560	35	26	19
8'x8'	1,120	30	1,200	27	20	15
8'x10'	1,340	30	960	21	16	12
8'x12'	1,560	30	780	17	13	9