

PRO-TEC

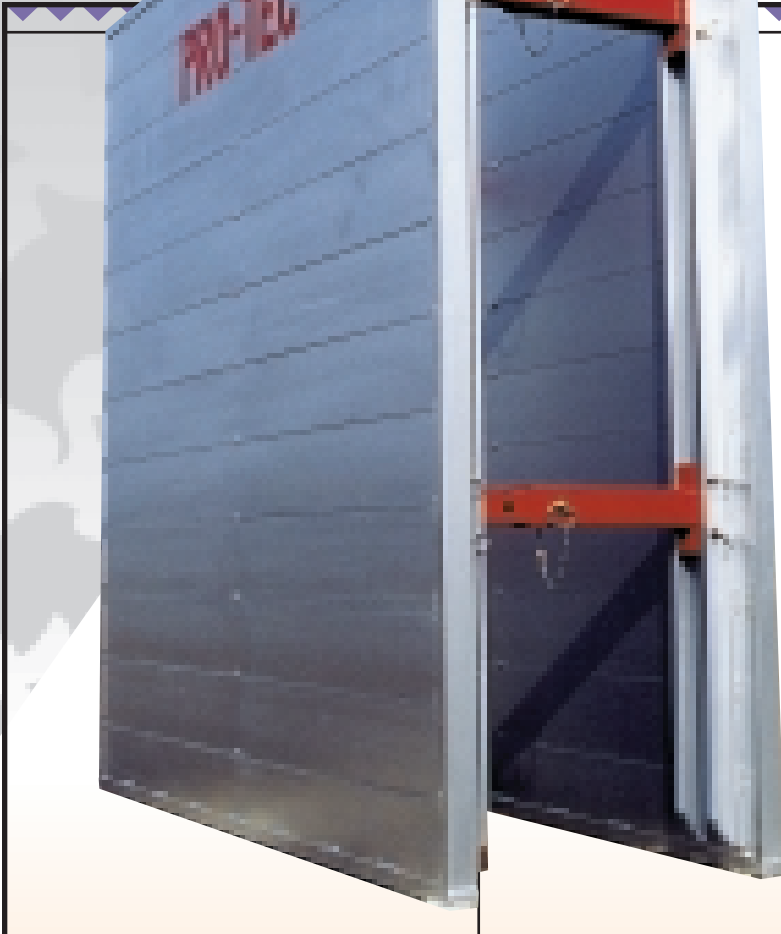
EQUIPMENT, INC.



Trench Shielding and
Shoring Equipment



ATS Series Aluminum Trench Shield



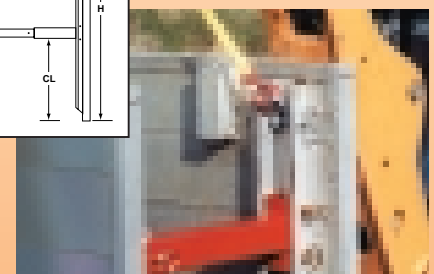
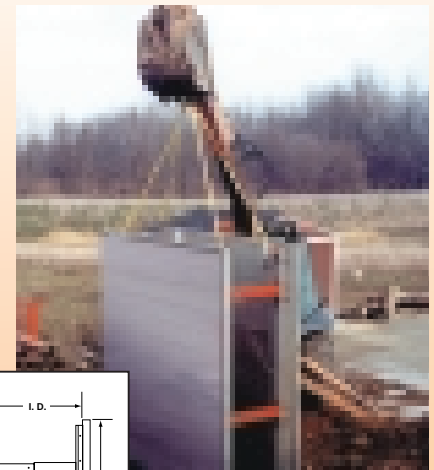
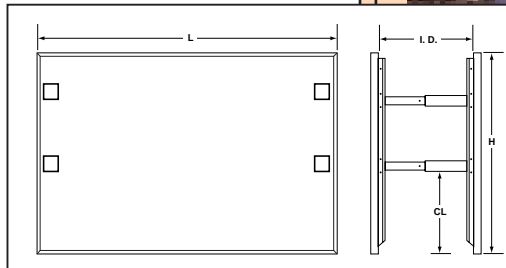
The ATS Series lightweight aluminum trench shields are pre-fabricated to standard sizes using lightweight, foam filled panels.

- ▼ Smooth 2-1/2" thick wall design
- ▼ Telescoping spreader sets for varying trench widths
- ▼ Standard foam filling prevents dirt and water build-up
- ▼ Extra lightweight for tractor loader/backhoe handling
- ▼ Professional engineer certified
- ▼ Ideal for municipalities and utility contractors
- ▼ Standard lifting eyes
- ▼ Optional end panels and cutouts
- ▼ Optional knife edge

ATS SERIES

ADJUSTABLE SPREADER SETS (INSIDE PANEL DIMENSION)

HT. x LGTH. (FT)	MODEL #	WEIGHT (LBS)	PIPE CLEAR (CL)	SHIELD CAP. (PSF)*	MAX. DEPTH OF CUT (FT.)*			Model (Sets of Four)	Weight (In lbs)	Adjustment (Inside Panel Dimension)
					A	B	C			
4 x 6	ATS 46	420	12	1960	78	44	21	TS 4 - 1826	108	18" to 26"
4 x 8	ATS 48	510	12	1470	59	33	16	TS 4 - 2334	128	23" to 34"
4 x 10	ATS 410	600	12	1130	45	25	13	TS 4 - 2844	153	28" to 44"
4 x 12	ATS 412	700	12	764	31	17	11	TS 4 - 3454	183	34" to 54"
4 x 14	ATS 414	790	12	555	22	12	9	TS 4 - 4266	223	42" to 66"
4 x 16	ATS 416	880	12	421	17	10	7	TS 4 - 5288	273	52" to 88"
6 x 6	ATS 66	600	30	1264	51	28	21			
6 x 8	ATS 68	730	30	960	38	21	16			
6 x 10	ATS 610	870	30	777	31	17	13			
6 x 12	ATS 612	1,010	30	655	26	15	11			
6 x 14	ATS 614	1,140	30	556	22	12	9			
6 x 16	ATS 616	1,280	30	427	17	10	7			
8 x 6	ATS 86	780	30	1264	51	28	21			
8 x 8	ATS 88	960	30	960	38	21	16			
8 x 10	ATS 810	1,140	30	777	31	17	13			
8 x 12	ATS 812	1,320	30	655	26	15	11			
8 x 14	ATS 814	1,500	30	555	22	12	9			
8 x 16	ATS 816	1,700	30	427	17	10	7			



*PSF (pounds per square foot) ratings indicate maximum shield capacities. Depths are based on A, B, C, soil types as described in OSHA'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 and Type C not exceeding 60 PSF per foot of depth. Determine actual soil pressures and consult Manufacturers Tabulated Data prior to each use.

ModSeries Modular

▼ **ModSeries trench shield components** stack flat, easily fit in a pick-up truck or van.



▼ **Exclusive corner end-post design** accepts either panels or adjustable spreaders, lets you build a 2, 3, or 4 sided shield quickly.



▼ **Foam-filled**, tongue and groove panels keep dirt and moisture out, and self align during assembly.



▼ **Panel ends are flanged** for extra durability, allows easy handling..



▼ **Professional Engineer certified** to comply with OSHA standards.

▼ **Lifting eyes** provide convenient pick points.

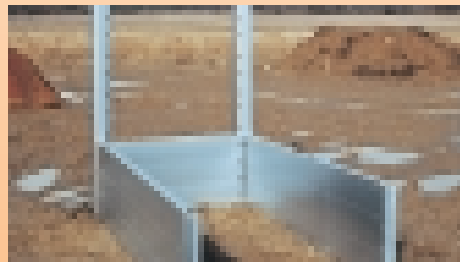


Bottom panels may be removed to allow for cross utilities.

QUICK & EASY ASSEMBLY



Lightweight 2-foot high aluminum panels are easily unloaded from a pick-up truck by hand without the use of machines.



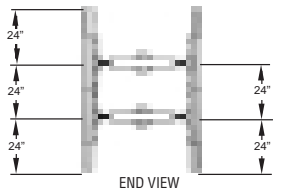
To begin assembling shield, two corner end-posts are pinned to side panels and rear panel.



Side and rear panels are stacked to desired height.

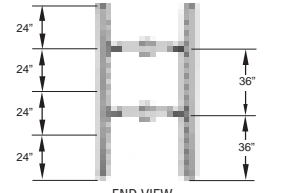
Aluminum Trench Shield

Sectional Corner Post



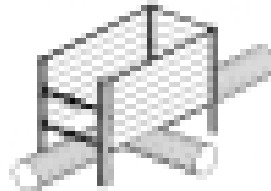
SECTIONAL CORNER POST w/ADJUSTABLE STRUTS.

Full Length Corner Post



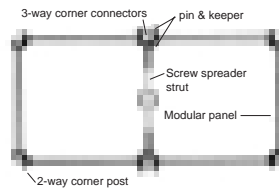
FULL LENGTH CORNER POST w/ADJUSTABLE STRUTS

Bottom Panels Omitted



Bottom panels may be omitted for tee connection or cross utilities, when soil conditions permit. (See tabulated data)

3-Way Corner Post



System using 3-way corner post

Corner Connectors (2-way)

Model	Weight (lbs)	Length
MC 24	19	24"
MC 48	38	48"
MC 72	56	72"
MC 96	75	96"
MC 120	94	120"

Corner Connectors (3-way)

Model	Weight (lbs)	Length
MC 3-24	25	24"
MC 3-48	51	48"
MC 3-72	76	72"
MC 3-96	101	96"
MC 3-120	127	120"

Panels Model Ht x Lg (Ft)	Weight Each (lbs)	Shield Capacity (PSF)*	2-Sided Depth Chart		
			Depth of Cut (ft) By Soil Type*		
			A	B	C
MPS 2 x 3	38	3000	120	66	50
MPS 2 x 4	49	3000	120	66	50
MPS 2 x 6	70	2828	113	63	47
MPS 2 x 8	92	1487	59	33	25
MPS 2 x 10	113	919	36	21	15
MPS 2 x 12	135	627	25	14	11
MPS 2 x 14	156	457	18	10	8

Adjustable Spreaders (Inside Panel Dimension)

Model	Weight (lbs)	Length
MAS 23	27	24" to 36"
MAS 35	37	36" to 60"
MAS 57	46	60" to 84"
MAS 79	55	84" to 108"

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Width x Length (Ft)	Shield Capacity (PSF)*	3 and 4 Sided Depth Chart		
		Depth of Cut (ft) By Soil Type*		
		A	B	C
4 x 4	3000	120	67	50
4 x 6	2524	100	56	42
4 x 8	1260	50	28	21
4 x 10	780	31	17	13
4 x 12	540	22	12	9
6 x 6	2524	100	56	42
6 x 8	1260	50	28	21
6 x 10	780	31	17	13
6 x 12	540	22	12	9
8 x 8	1288	51	29	21
8 x 10	780	31	17	13
8 x 12	540	22	12	9
10 x 10	733	30	17	13
10 x 12	540	22	12	9
12 x 12	512	20	11	9
14 x 14	363	14	8	6

ModSeries Trench Shields are easily handled by a rubber-tired backhoe-loader.



Corner end-posts are pinned in place.



Adjustable spreaders pin securely in place to complete a 3-sided shield.