

# ALUMINUM SHIELDS SPECIFICATIONS

## Steel-Framed APS

MODEL	DIM. (FT)		PIPE CLEARANCE (IN)	WEIGHT (LBS)	SHIELD CAPACITY (PSF)	ALLOWABLE DEPTH (FT) BY SOIL TYPE*			
	H	L				A	B	C(60)	C
	APS-SF-0406	4	6	22	970	2605	50	50	44
APS-SF-0408	4	8	22	1176	1869	50	42	32	24
APS-SF-0410	4	10	22	1380	1165	46	26	20	16
APS-SF-0412	4	12	22	1584	795	31	18	14	11
APS-SF-0414	4	14	22	1790	577	22	13	10	8
APS-SF-0416	4	16	22	1994	438	17	10	8	7
APS-SF-0606	6	6	36	1202	1296	50	30	23	18
APS-SF-0608	6	8	36	1460	972	39	23	18	14
APS-SF-0610	6	10	36	1720	777	31	19	15	12
APS-SF-0612	6	12	36	1980	648	26	16	13	10
APS-SF-0614	6	14	36	2240	555	22	14	11	9
APS-SF-0616	6	16	36	2498	438	18	11	9	8
APS-SF-0806	8	6	43	1432	1150	47	28	22	17
APS-SF-0808	8	8	43	1746	862	36	22	17	14
APS-SF-0810	8	10	43	2060	690	29	18	14	12
APS-SF-0812	8	12	43	2374	575	24	15	12	10
APS-SF-0814	8	14	43	2690	493	21	13	11	9
APS-SF-0816	8	16	43	3004	431	18	12	10	8

\*Prior to use, refer to OSHA's 29 CFR, Part 1926 (subpart P) and Manufacturer's Tabulated Data for detailed explanation of soil types and product application. Type A soil not to exceed 25 PSF per foot of depth; Type B soil not to exceed 45 PSF per foot of depth; Type C(60) soil not to exceed 60 PSF per foot of depth; Type C soil not to exceed 80 PSF per foot of depth. (PSF = Pounds per square foot)

## Modular Aluminum Panels

MODEL	DIM. (FT)		WEIGHT (LBS)	SHIELD CAPACITY (PSF)	ALLOWABLE DEPTH (FT) BY SOIL TYPE**			
	H	L			A	B	C(60)	C
	MAPS-0203	2	3	36	12000	50	50	50
MAPS-0204	2	4	49	6400	50	50	50	50
MAPS-0205	2	5	62	4500	50	50	50	50
MAPS-0206	2	6	76	2700	50	50	45	34
MAPS-0208	2	8	102	1500	50	33	25	19
MAPS-0210	2	10	129	960	36	21	16	12
MAPS-0212	2	12	155	660	24	14	11	8
MAPS-0214	2	14	180	570	21	12	9	7

\*\*Prior to use, refer to OSHA's 29 CFR, Part 1926 (subpart P) and Manufacturer's Tabulated Data for detailed explanation of soil types and product application. Type A soil not to exceed 25 PSF per foot of depth; Type B soil not to exceed 45 PSF per foot of depth; Type C(60) soil not to exceed 60 PSF per foot of depth; Type C soil not to exceed 80 PSF per foot of depth.

## Adjustable Spreaders\* (Telescoping)

MODEL	OPERATING RANGE (IN)	WEIGHT (LBS)
MAPS-SPR-036	27 - 36	38
MAPS-SPR-048	35 - 48	50
MAPS-SPR-060	40 - 60	56
MAPS-SPR-084	52 - 84	74
MAPS-SPR-096	60 - 96	91

\*Four pins and keepers are included with each spreader.

## Adjustable Spreaders\* (Screw Jack)

MODEL	OPERATING RANGE (IN)	WEIGHT (LBS)
MAPS-SJ-042	30 - 42	25
MAPS-SJ-060	36 - 60	29
MAPS-SJ-084	60 - 84	43
MAPS-SJ-108	84 - 108	59

\*Four pins and keepers are included with each spreader.

## AEX Aluminum Frame Trench Shields

MODEL	SIZE			WEIGHT (LBS)	PIPE CLEARANCE	MAXIMUM DEPTH PER SOIL TYPE (FT.)**			
	H	L	W			A	B	C-60	C-80
*2AEX-48	4'	8'	2"	650	18"	37	21	17	12
*2AEX-68	6'	8'	2"	920	30"	37	21	17	12
*2AEX-88	8'	8'	2"	1200	36"	34	20	15	11
<i>*2AEX Model Shields Require The Use of Lite Shield Screw Struts</i>									
4AEX-88	8'	8'	4"	1736	48"	69	39	30	23
4AEX-410	4'	10'	4"	1150	22"	72	41	31	23
4AEX-610	6'	10'	4"	1710	36"	72	41	31	23
4AEX-810	8'	10'	4"	2200	48"	55	31	24	18
4AEX-412	4'	12'	4"	1450	22"	49	28	21	16
4AEX-612	6'	12'	4"	2100	36"	49	28	21	16
4AEX-812	8'	12'	4"	2650	48"	45	26	20	15
4AEX-416	4'	16'	4"	1750	22"	30	17	14	11
4AEX-616	6'	16'	4"	2450	36"	26	15	12	9
4AEX-816	8'	16'	4"	3200	48"	26	15	12	9
4AEX-418	4'	18'	4"	2300	22"	21	13	10	8
4AEX-618	6'	18'	4"	2860	36"	22	14	11	9
4AEX-818	8'	18'	4"	3450	48"	23	15	12	10

\*\*Prior to use, refer to OSHA's 29 CFR, Part 1926 (subpart P) and Manufacturer's Tabulated Data for detailed explanation of soil types and product application. Type A soil not to exceed 25 PSF per foot of depth; Type B soil not to exceed 45 PSF per foot of depth; Type C(60) soil not to exceed 60 PSF per foot of depth; Type C soil not to exceed 80 PSF per foot of depth.

## Ultra Shore

MODEL	SIZE			WEIGHT PAIR (LBS)	PSF RATING	BURY DEPTH (FT)*
	H	L	W			
S24-60	24"	60"	2"	74	1600	12
S24-84	24"	84"	2"	96	1600	12
S48-60	48"	60"	2"	130	1100	12
S48-84	48"	84"	2"	160	950	12
S48-120	48"	120"	2"	260	865	12
S48-144	48"	144"	2"	300	620	12

NOTE: The Ultra Shield standard panels are not meant for severe duty applications (not to exceed 75 psf) without factory modifications.

\*Soil classification in compliance with OSHA rules and regulations Part 1926 Subpart P Excavations in effect March 5, 1990. Models and specifications may change without notice.

## Spreader Options

STANDARD SPREADERS	
20"	3 LBS
24"	3 LBS
30"	4.5 LBS
36"	5 LBS
42"	6.5 LBS
48"	7 LBS
54"	8 LBS
60"	8.5 LBS
72"	9 LBS
Custom Cut in 6" Increments, Up to 12'	

## End Members

MODEL	LENGTH (FT)	WEIGHT (LBS)
MAPS-E-02	2	14
MAPS-E-04	4	28
MAPS-E-06	6	42
MAPS-E-08	8	56
MAPS-E-10	10	70

## Aluminum Hydraulic Shields

MODEL	DIM. (FT)		PIPE CLEARANCE (IN)		WEIGHT (LBS)	SHIELD CAPACITY (PSF)	ALLOWABLE DEPTH (FT) BY SOIL TYPE***			
	H	L	A	B			A	B	C(60)	C
	SS-0608-H	6	8	22	81	1238	1700	25	25	25
SS-0610-H	6	10	22	105	1534	1400	25	25	25	16
SS-0612-H	6	12	22	129	1702	1100	25	25	21	12
SS-0808-H	8	8	22	81	1374	1400	25	25	25	16
SS-0810-H	8	10	22	105	1686	1100	25	25	21	15
SS-0812-H	8	12	22	129	1913	900	25	23	17	9

\*\*\*Prior to use, refer to OSHA's 29 CFR, Part 1926 (subpart P) and Speed Shore's Tabulated Data for detailed explanation of soil types and product application. Type A soil not to exceed 25 PSF per foot of depth; Type B soil not to exceed 45 PSF per foot of depth; Type C(60) soil not to exceed 60 PSF per foot of depth; Type C soil not to exceed 80 PSF per foot of depth. (PSF = Pounds per square foot)

## End Shore

MODEL	DIM. (FT)		PIPE CLEARANCE (INCHES)	WEIGHT (LBS)	ALLOWABLE DEPTH (FT) BY SOIL TYPE*				ALLOWABLE DEPTH (FT) BY SOIL TYPE*			
	H	L			UP TO 7'-7" WIDE				7'-7" to 10'-10" WIDE			
	A	B	C(60)	C	A	B	C(60)	C				
5x1-H-ES	5	1	22	466	25	25	21	16	20	20	12	8
6x1-H-ES	6	1	22	472	25	25	21	16	20	20	12	8
7x1-H-ES	7	1	22	479	25	25	21	16	20	20	12	8
8x1-H-ES	8	1	22	486	25	25	21	16	20	20	12	8

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## Speed Struts

MODEL	STROKE	CYLINDER RANGE	WEIGHT
SS-100-40	14"	26" - 40"	62 LBS
SS-100-50	18"	32" - 50"	76 LBS
SS-100-59	21"	38" - 59"	95 LBS
SS-100-68	24"	44" - 68"	115 LBS
SS-100-92	36"	56" - 92"	137 LBS
SS-100-130	42"	88" - 130"	194 LBS



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