

M Modular Shields

Speed Shore's Modular Aluminum Panel (MAP) trench shield system is engineered for high strength, ultra-low weight, and ease of handling. Modular panels, end-members, and adjustable spreaders are light enough for transport by pickup, and can be quickly configured for 2, 3 or 4-sided applications. A two-man crew can readily assemble the system by hand for rapid placement in the trench by a rubber-tired backhoe.

The foam-filled, double-wall aluminum panels are available in a full range of standard sizes to 12 feet in length. Extruded end-members, available in lengths from 2 to 10 feet, allow easy pin-and-keeper connection of panels and spreaders in various combinations, forming the exact configuration required at the work site. Various spreader options are available, to include adjustable telescoping steel spreaders, hydraulic cylinders and screw jacks.

The MAP shield system is ideal for utility maintenance and repair, cable splice pits, plumbing repairs, gas, sewer and water taps, and other light utility installations—including trenchless technology entry and exit pits. Speed Shore's Modular Aluminum Panel system is the preferred choice for municipalities, contractors and utilities seeking an extremely versatile, lightweight trench safety system.



MAP Systems Offer Optimum Versatility in a Lightweight Shield.

- **Aluminum Alloy Construction**
for extremely high strength-to-weight ratios and superior corrosion resistance.
- **Narrow Double-Wall Panels**
minimize excavation width while maximizing interior work space.
- **Lightweight Modular Components**
afford easy handling and options of 2, 3, or 4-sided shield configurations.
- **Dual-Purpose End Members**
connect both panels and spreaders in multiple configurations.
- **Adjustable Spreaders**
allow for rapid field modification of shield width.
- **Foam-Filled Smooth Walls**
prevent accumulation of water, dirt and debris.
- **Tongue & Groove Panel Design**
aids in assembly and helps secure panels in place.
- **Pin and Keeper System**
allows for rapid assembly and disassembly by hand, with no need for special tools.

SPEED SHORE®
PIONEERING TRENCH SAFETY

M Modular Shield Specifications

Modular Aluminum Panels

MODEL NO.	DIMENSIONS		WEIGHT (Lbs.)	CAPACITY (Psf)	ALLOWABLE DEPTH (Ft.) by soil type**			
	H (Ft.)	L			A	B	C(60)	C
MAP-0203	2	3	36	12000	50	50	50	50
MAP-0204	2	4	49	6400	50	50	50	50
MAP-0206	2	6	76	2700	50	50	45	34
MAP-0208	2	8	102	1500	50	33	25	19
MAP-0210	2	10	129	960	36	21	16	12
MAP-0212	2	12	155	660	24	14	11	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.

Note: Allowable depths are limited to 50 feet for practical purposes. Contact Speed Shore for applications exceeding posted allowable depths.

Adjustable Spreaders* (Telescoping)

MODEL NO.	OPERATING RANGE(In.)	WEIGHT (Lbs.)
SPR - MAP - 036T	27 - 36	38
SPR - MAP - 048T	35 - 48	50
SPR - MAP - 060T	40 - 60	56
SPR - MAP - 084T	52 - 84	74
SPR - MAP - 096T	60 - 96	91

Adjustable Spreaders* (Screw Jack)

MODEL NO.	OPERATING RANGE(In.)	WEIGHT (Lbs.)
SPR - MAP - 042S	30 - 42	25
SPR - MAP - 060S	36 - 60	29
SPR - MAP - 084S	60 - 84	43
SPR - MAP - 108S	84 - 108	59

* Four pins and keepers are included with each spreader.

End Members

MODEL NO.	LENGTH (Ft.)	WEIGHT (Lbs.)
MAP-EM-02	2	14
MAP-EM-04	4	28
MAP-EM-06	6	42
MAP-EM-08	8	56
MAP-EM-10	10	70

Accessories

MODEL NO.	DESCRIPTION	WEIGHT (Lbs.)
PIN-MAP-CP	Connecting Pin	0.3
ACC-MAP-PK	Pin Keeper	N/A
PIN-LPC-ATC	Spreader Pin	6
ACC-MAP-LL	Lifting Lug	2

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