

TRENCH SAFETY

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1-844-5-TRENCH

6" Double Wall Steel Trench Shield

The 6" double walled steel trench box is the most versatile steel shield available. It combines depth capability with lightweight narrow side walls. Designed for medium range excavators in the 30,000 - 80,000+ lbs. weight-class.

Job Applications:

- Deep sanitary sewer
- Water main
- Storm sewer

Available Models:

Model (Ft.) Ht-Lg.	Weight Lbs	Pipe CL Inches	Shield Capacity (PSF)	Depth of Cut (Ft.) Soil Type		
				B	C-60	C-80
4 X 20	6,370	22	1,440	32	24	18
4 X 24	7,510	22	1,140	25	19	14
8 X 16	8,440	64	1,980	44	33	25
8 X 20	10,410	64	1,560	34	26	19
8 X 24	12,290	64	1,140	25	19	14
8 X 28	13,700	64	720	16	12	9
10 X 16	10,380	84	1,680	37	28	21
10 X 20	12,900	84	1,440	32	24	18
10 X 24	15,890	84	1,200	27	20	15

* Other sizes and depths ratings are available. Contact your local rental representative for available rental equipment.

8" Double Wall Steel Trench Shield

The 8" Double Wall Steel Trench shield is an excellent choice for deeper, more demanding work. The 8" double wall construction minimizes sidewall deflection and provides extended shield durability. Recommended for excavators in the 30,000 - 80,000+ lbs. weight-class.

Job Applications

- Deep Sanitary Sewer
- Water Main
- Storm Sewer
- Long Pipe

Available Models:

Model (Ft.) Ht-Lg.	Weight Lbs	Pipe CL Inches	Shield Capacity (PSF)	Depth of Cut (Ft.) Soil Type		
				B	C-60	C-80
4 X 27	9,280	22	1,020	23	17	13
8 X 24	12,290	64	1,140	25	19	14
8 X 27	14,570	64	1,140	25	19	14
10 X 20	12,900	84	1,140	32	24	18
10 X 24	15,890	84	1,200	27	20	15

8" Schedule 80 Spreader Pipe

Spreader sets for steel trench shields. Available in a wide variety of combinations for any size and type of shield.

Job Applications

- Sewer
- Repair
- Water Main
- Manhole
- Pump Station
- Bore Pit

Available Models:

Model	Inside Width Inches	Weight Lbs
SP-24-1	24	104
SP-36-1	36	146
SP-48-1	48	190
SP-60-1	60	234
SP-72-1	72	276
SP-84-1	84	320
SP-96-1	96	366
SP-108-1	108	408
SP-120-1	120	450
SP-132-1	132	494
SP-144-1	144	538
SP-156-1	156	580
SP-180-1	180	668
SP-204-1	204	754
SP-240-1	240	884
SP-264-1	264	971

* Custom sizes available upon request.
Contact your local rental representative
for available rental equipment.



4" Double Wall (Manhole Shield)

These 4" Manhole Shields features wrap-around end plates. These popular trench boxes increase pipe clearance and protection on the open ends of the trench.

Job Applications

- Pre-cast manholes
- Sewer & water valves
- Gas and electric utility structures

Available Models:

Model (Ft.) Ht.Lg.	Weight Lbs	Pipe CL Inches	Shield Capacity (PSF)	Depth of Cut (Ft.) Soil Type		
				B	C-60	C-80
8 X 10	5,840	52	1,320	29	22	16
8 X 12	6,430	52	1,320	29	22	16



Slide Rail System

Slide Rail is a component shoring system comprised of steel panels (similar to trench shield side walls) and vertical steel posts. The panels slide into the posts allowing for a number of configurations, including but not limited to 4-sided pits, 4-sided clear span, 4-sided multi-bay and linear multi-bay using a "dig and push" method of installation. The panels and posts are pushed gradually into the pit as the site is being excavated. The deeper the site is dug, the deeper the Slide Rail System is pushed. Featuring lighter materials, the Slide Rail system allows contractors to use smaller, more common-sized excavators and heavy equipment. As the most versatile shoring system in the industry, it is a cost-effective alternative to traditional driven close-sheeting.

Job Applications

- Sewer
- Repair
- Water Main
- Manhole
- Pump Station
- Bore Pit



Aluminum Trench Shields

3" Aluminum Trench Shield

These aluminum panel trench shields are designed specifically for municipalities, and contractors who use rubber-tired backhoes or smaller excavators for trenching. Aluminum shields are made of lightweight smooth, double-wall aluminum. Each 3-inch side-wall is constructed of foam-filled, 8 inch extrusions which prevent dirt build-up and reduces friction.

Job Applications:

- Deep sanitary sewer
- Water main
- Storm sewer

Available Models:

Model (Ht x Lg.)	Weight Lbs	Pipe CL "C" Inches	Shield Capacity (PSF)	Depth of Cut (Ft.) Soil Type		
				B	C-60	C-80
6 X 6	690	30	1,560	35	26	19
6 X 8	850	30	1,200	27	20	15
6 X 10	1,020	30	960	21	16	12
8 X 8	1,120	30	1,200	27	20	15
8 X 10	1,340	30	960	21	16	12
8 X 12	1,560	30	780	17	13	10



Build a Box

Build a Box Panels

The Build-A-Box™ Modular Aluminum Trench Shield System can be assembled in minutes to a wide variety of two, three or four-sided configurations. This flexibility enables work crews to make on-the-spot design changes to meet job requirements in conditions ranging from light to extreme. Most systems are easily transported in a pick-up truck or trailer for quick application. Build-A-Box™ is also compatible with 3" Aluminum Shields.

Job Applications:

- Sewer
- Repair
- Water Main
- Manhole
- Pump Station
- Bore Pit

Available Models:

Panel Selection Chart (Ht x Lg.)	Weight Lbs
2 X 3	40
2 X 4	52
2 X 5	64
2 X 6	76
2 X 7	88
2 X 8	100
2 X 10	124
2 X 12	148
2 X 14	170
2 X 16	194

* Build a Box Corner End Posts, lifting lugs, slings and spreaders (up to 12') will be added to all Build a Box Panels orders at no additional cost.



Hydraulic Shoring

Standard Vertical Hydraulic Shoring

Hydraulic shores offer superior versatility in trenches up to 25 ft. deep and 12 ft. wide. Hydraulic shores are an excellent lightweight resource for working around existing utilities, supporting trench walls near structures, curbs, or sidewalks; and for pipeline installations where larger backhoes cannot be used. Hydraulic shores are installed and removed from the surface, avoiding the risk of working in an unshored trench.

Job Applications:

- Protect workers from cave-ins

Available Models:

Standard Rail (Lg. x CB)	Cross Brace Width Inches	Cylinders	Weight Lbs
1.5" X 22" X 36"	22-36	1	23
1.5" X 34" X 55"	34-55	1	28
1.5" X 5" X 88"	52-88	1	36
5" X 22" X 36"	22-36	2	60
5" X 34" X 55"	34-55	2	70
5" X 52" X 88"	52-88	2	87
7" X 22" X 36"	22-36	2	70
7" X 34" X 55"	34-55	2	80
7" X 52" X 88"	52-88	2	97

Available Accessories:

- 5 Gal Hand Pump
- 48" Release Hook
- Case of Shoring Fluid (6 GAL)
- 4x8 Sheets of Chudoform

* Additional sizes available upon request. Contact your local rental representative for available rental equipment.



Steel Road Plate

The superior strength A-36 steel plates are pedestrian and vehicle safe, and include an optional single or double flush-mounted lifting point(s) to allow for easy, balanced handling with no protrusion above the plate surface. As an added service, Cooper will place steel road plates for customers upon request.

Job Applications

- Road work repair

Available Sizes:

- 4 X 8
- 5 X 10
- 8 X 12
- 8 X 16
- 8 X 20



SMHD – Heavy Duty Stone Mizer

Stone Mizers can accommodate over-sized excavator buckets while withstanding the forces of larger excavators. Stone Mizers are available in capacities ranging from 5 to 20 cu. yd. in four different series types: Standard, Heavy Duty, Extended Width Heavy Duty, and Extended Width Severe Duty.

Job Applications

- Containment of bedding material

Available Sizes:

- 9 yard
- 12 yard
- 15 yard





A specialty division to take care of all your trench safety needs.

TRENCH SAFETY

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