



STEEL TRENCH SHIELDS & MANHOLE BOXES



Flex-Shield Steel Trench Shields Stacking Options

Extension

10 FT 8 FT 6 FT 4 FT

Extension

10 FT 8 FT 6 FT 4 FT

Base Shield

10 FT
8 FT
6 FT
4 FT

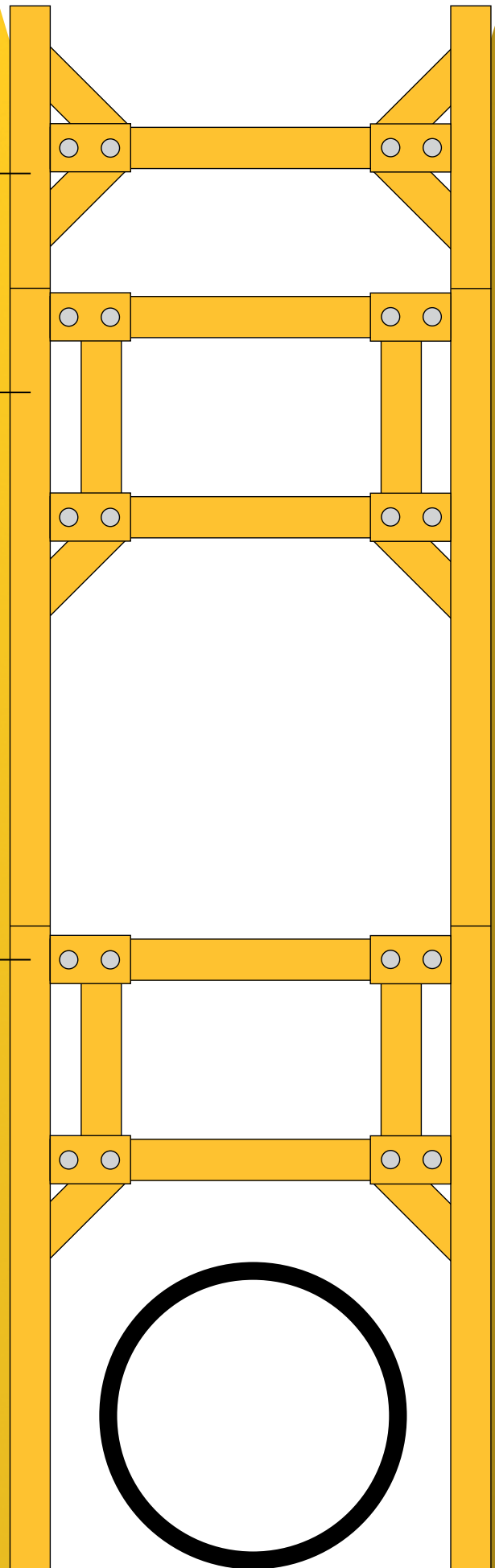
Clearance

(Bottom of Shield to First Cross Bar)

6' 9"
5' 0"
3' 9"
1' 9"

Flex-Shield Features

- Designed to work in conjunction with the excavator to increase production in all types of soil
- Thinner side panels to minimize repaving and restoration costs
- Units available in varying load carrying capacities, heights, widths and lengths to suit user needs
- Meets O.S.H.A. requirements
- Can be utilized for pipe laying, jacking pits, setting vaults, retrofit work and many other applications
- The largest inventory in the area





Flex-Shield™ Steel Trench Shields

Differences You'll Appreciate

You've Got Pull!

Only Trench Shoring Company's unique Flex-Shield trench shields have a mid-section camber. Unlike other trench shields that bow in the middle and are tough to pull, Flex-Shield's trench boxes are wider in the middle and the sidewalls straighten under pressure to create easy movement.

You've Got Economy!

Flex-Shields have the narrowest possible sidewalls. That means less soil excavation, less backfill, less compaction and more savings for you! And, fast easy set-up and removal time is another major cost-cutter for you.

You've Got Strength, Light Weight And Flexibility!

Flex-Shields offer the highest pounds per square foot (PSF) rating. Use them in the deepest trenches—safely. Their design exceeds all O.S.H.A. criteria. And, elimination of the bottom knife edge assures that they can be used in any configuration when stacked in deep trenches. Customized bottom points are available upon request.

You've Got Engineering Excellence!

A registered Civil Engineer, working with Trench Shoring Company's underground construction specialists, designs both standard and custom Flex-Shields.

Flex-Shield™ Steel Trench Shields

SIZE				WEIGHT	SIZE				WEIGHT
W	L	TH	(LBS)	W	L	TH	(LBS)		
4'	6'	3"	1,671	4'	20'	4"	5,730		
6'	6'	3"	2,515	6'	20'	4"	8,005		
8'	6'	3"	3,235	8'	20'	4"	10,865		
10'	6'	3"	4,375	10'	20'	4"	12,949		
4'	8'	3"	2,078	10'	20'	6"	14,235		
6'	8'	3"	3,077	4'	24'	6"	6,859		
8'	8'	3"	3,952	4'	24'	6"	7,744		
10'	8'	3"	5,200	6'	24'	6"	9,392		
4'	10'	3"	2,344	8'	24'	6"	11,857		
6'	10'	3"	3,498	8'	24'	6"	13,819		
8'	10'	3"	4,518	10'	24'	6"	14,893		
10'	10'	3"	5,765	10'	24'	8"	18,720		
4'	12'	3"	2,719	4'	28'	8"	11,920		
6'	12'	3"	4,028	6'	28'	8"	15,750		
8'	12'	3"	5,213	8'	28'	8"	20,567		
10'	12'	3"	7,300	10'	28'	8"	24,415		
4'	14'	4"	3,950	4'	30'	8"	14,800		
6'	14'	4"	5,500	6'	30'	8"	21,460		
8'	14'	4"	7,100	8'	30'	8"	25,700		
10'	14'	4"	9,150	10'	30'	8"	32,600		
4'	16'	4"	4,500	4'	32'	8"	13,256		
6'	16'	4"	6,261	6'	32'	8"	17,637		
8'	16'	4"	8,118	8'	32'	8"	22,624		
10'	16'	4"	10,443	10'	32'	8"	29,008		
4'	18'	4"	5,350						
6'	18'	4"	7,410						
8'	18'	4"	9,900						
10'	18'	4"	11,900						

High Clearance Spreaders

Hi-Clearance Spreader Arches are designed for use with most Efficiency trench shields. Efficiency's Hi-Clearance Arch spreaders are available in three styles: Pin-in-Place Arch, Clad Arch, and the Stacking Split Arch. The Hi-Clearance Arch system is designed for use with most Efficiency trench shields.

- Provides 10 feet of vertical clearance when used on a 10' tall trench shield
- Provides 8 feet of vertical clearance when used on an 8' tall trench shield
- Designed to fit on all 8- and 10-foot tall Pro Series trench shields
- Full range of bolt-on extensions to provide up to 20' of internal width
- Professional Engineer Certified to meet or exceed O.S.H.A. requirements



Manhole Boxes

Manhole Boxes provide four wall protection for the ultimate in worker safety. Specially built for manhole installations, tie-ins and repair work, manhole boxes provide the flexibility you need with the protection OSHA requires. Manhole boxes are available in 4', 6' and 8' heights and come either 6', 8' or 10' square. Manhole boxes are available with solid sides or cut outs at the bottom. Specially built for manhole installations, tie-ins and repair work. Manhole boxes can be stacked in combination with Flex-Shield boxes for unique applications.

Square Manhole Boxes

SIZE			WEIGHT
W	L	TH	(LBS)
4'	6'	3"	2,250
6'	6'	3"	2,518
8'	6'	3"	3,850
4'	8'	3"	2,350
6'	8'	3"	3,520
8'	8'	3"	4,700
4'	10'	3"	3,400
6'	10'	3"	5,100
8'	10'	3"	6,650



STEEL TRENCH SHIELD SPECIFICATIONS

MODEL	PSF	HEIGHT FT	LENGTH FT	WALL THICKNESS	WEIGHT (LBS)	SPREADER SIZE	SPREADER WEIGHT PER FT. OF WIDTH
TS 1800	1890	4'	6'	3-3/8"	1,671	4" X 4"	35 lbs.
TS 1700	1775	6'	6'	3-3/8"	2,515	4" X 4"	69 lbs.
TS 1440	1680	8'	6'	3-3/8"	3,235	4" X 4"	69 lbs.
TS 1550	1550	10'	6'	3-3/8"	4,375	5" X 5"	89 lbs.
TS 1672	1770	4'	8'	3-3/8"	2,078	4" X 4"	35 lbs.
TS 1680	1735	6'	8'	3-3/8"	3,077	4" X 4"	69 lbs.
TS 1350	1880	8'	8'	3-3/8"	3,952	4" X 4"	69 lbs.
TS 1740	1740	10'	8'	3-3/8"	5,200	5" X 5"	89 lbs.
TS 1000	1557	4'	10'	3-3/8"	2,344	4" X 4"	35 lbs.
TS 954	1666	6'	10'	3-3/8"	3,498	4" X 4"	69 lbs.
TS 956	1580	8'	10'	3-3/8"	4,518	4" X 4"	69 lbs.
*TS 1500	1325	10'	10'	4-3/8"	5,765	5" X 5"	89 lbs.
*1010-4	1750	10'	10'	4-3/8"	9,960	8" Round	174 lbs.
TS 984	1109	4'	12'	3-3/8"	2,719	4" X 4"	35 lbs.
TS 950	1173	6'	12'	3-3/8"	4,028	4" X 4"	69 lbs.
TS 900	1205	8'	12'	3-3/8"	5,213	4" X 4"	69 lbs.
*TS 1165	1325	10'	12'	3-3/8"	7,300	5" X 5"	89 lbs.
TS 1415	1931	4'	14'	4-3/8"	3,950	5" X 5"	45 lbs.
TS 1275	1929	6'	14'	4-3/8"	5,500	5" X 5"	89 lbs.
TS 1355	1732	8'	14'	4-3/8"	7,100	5" X 5"	89 lbs.
*TS 1265	1325	10'	14'	4-3/8"	9,150	5" X 5"	89 lbs.
TS 1288	1420	4'	16'	4-3/8"	4,500	5" X 5"	45 lbs.
TS 1108	1418	6'	16'	4-3/8"	6,261	5" X 5"	89 lbs.
TS 1054	1461	8'	16'	4-3/8"	8,118	5" X 5"	89 lbs.
*TS 938	1280	10'	16'	4-3/8"	10,443	5" X 5"	89 lbs.
TS 1059	1419	4'	18'	4-3/8"	5,115	5" X 5"	45 lbs.
TS 1058	1418	6'	18'	4-3/8"	7,133	5" X 5"	89 lbs.
TS 1057	1461	8'	18'	4-3/8"	9,280	5" X 5"	89 lbs.
*TS 1056	1280	10'	18'	4-3/8"	11,696	5" X 5"	89 lbs.
TS 858	1156	4'	20'	4-3/8"	5,730	5" X 5"	45 lbs.
TS 842	1134	6'	20'	4-3/8"	8,005	5" X 5"	89 lbs.
TS 838	1200	8'	20'	4-3/8"	10,865	5" X 5"	89 lbs.
*TS 808	1204	10'	20'	4-3/8"	12,949	5" X 5"	89 lbs.
** *TS 1320	1320	10'	20'	6-1/2"	18,000	8" Round	174 lbs.
TS 866	1081	4'	24'	6-1/2"	6,859	5" X 5"	45 lbs.
TS 1070 E	1226	4'	24'	6-1/2"	7,744	5" X 5"	45 lbs.
TS 834	1060	6'	24'	6-1/2"	9,392	5" X 5"	89 lbs.
TS 810	1101	8'	24'	6-1/2"	11,857	5" X 5"	89 lbs.
TS 1070	1260	8'	24'	6-1/2"	13,819	5" X 5"	89 lbs.
*TS 770	1152	10'	24'	6-1/2"	14,893	5" X 5"	89 lbs.
** *TS 1340	1575	10'	24'	8-1/2"	20,400	8" Round	174 lbs.
TS 1304	1379	4'	28'	8-1/2"	11,920	8" Round	87 lbs.
**TS 1306	1422	6'	28'	8-1/2"	15,750	8" Round	174 lbs.
**TS 1208	1438	8'	28'	8-1/2"	20,567	8" Round	174 lbs.
** *TS 1150	1457	10'	28'	8-1/2"	24,415	8" Round	174 lbs.
**TS 430D	961	4'	30'	8-1/2"	14,800	8" Round	174 lbs.
**TS 630D	1048	6'	30'	8-1/2"	21,460	8" Round	174 lbs.
**TS 830D	928	8'	30'	8-1/2"	25,700	8" Round	174 lbs.
** *TS 1030D	845	10'	30'	8-1/2"	32,600	8" Round	174 lbs.
TS 994	1131	4'	32'	8-1/2"	13,256	8" Round	87 lbs.
**TS 995	1111	6'	32'	8-1/2"	17,637	8" Round	174 lbs.
**TS 996	1155	8'	32'	8-1/2"	22,624	8" Round	174 lbs.
** *TS 997	1102	10'	32'	8-1/2"	29,008	8" Round	174 lbs.

* Check wide load permit for curfew ** Customer to unload and assemble

MANHOLE BOX SPECIFICATIONS

SQUARE (Additional sizes may be available upon request, call to inquire about your specific needs)

MODEL PSF	HEIGHT	(O.D.) LENGTH	(O.D.) WIDTH	WALL THICKNESS	WEIGHT
TS 1850	4'	6'	6'	3"	2,775 lbs.
TS 1850	6'	6'	6'	3"	3,420 lbs.
TS 1850	8'	6'	6'	3"	4,150 lbs.
TS 1145	4'	8'	8'	3"	3,005 lbs.
TS 1145	6'	8'	8'	3"	3,830 lbs.
TS 1145	8'	8'	8'	3"	4,700 lbs.
TS 1140	4'	10'	10'	3"	3,700 lbs.
TS 1140	6'	10'	10'	3"	5,350 lbs.
TS 1140	8'	10'	10'	3"	6,990 lbs.

ROUND (Additional sizes may be available upon request, call to inquire about your specific needs)

MODEL PSF	HEIGHT	(I.D.) DIAMETER	WALL THICKNESS	WEIGHT
TS0003	8'	8-1/2'	1"	1,700 lbs.
TS0001	4'	8-1/2'	1"	1,200 lbs.

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