

Inner Shield Liner

4 In. Steel Double Wall Telescoping Trench Shield

Purpose:

Efficiency's Inner Shield Liner is engineered for use in wet or unstable soil conditions where trench walls cave in underneath the bottom of the trench shield. The ISL fits inside the primary shield and replaces steel plates or sheeting as a faster and safer method to block the trench walls from caving in.

Common Applications:

- Deep Pipe
- Alternative to stacked shields
- Extremely wet or saturated soil conditions

Collar & Spreader Options:

- 7 in. collar pipe for 8" schedule 80 spreaders (standard)
- 3-pipe and mud plate set (standard)
- 4-pipe independent set
- Custom collar sizes available

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Trench Shield Nomenclature

SL-620-20 (Model-Ht.Lg.-C60) =
(Inner) Shield Liner trench shield;
6 ft. high, 20 ft. long; with
Depth Rating of 20 ft. in C-60 Soil

Others sizes available upon request

Depth Rating derived by dividing Shield Capacity (PSF) by soil type rating, i.e. 1,200 PSF / C-60 = 20 Ft.



Inner Shield Liner 4 in. Steel Double Wall Shield

Model (Ft.) (SL-Ht.Lg.-C60)	Weight (Lbs.)	Pipe Cl. (In.)	Shield Capacity		Depth of Cut (Ft.)		Recom. Length Outer Shield
			(PSF)	(kPa)	C-60	C-80	
SL-614-20	5,040	41	1,200	56	20	15	18 - 20 ft.
SL-614-25	5,380	41	1,500	71	25	19	18 - 20 ft.
SL-616-20	5,970	41	1,200	56	20	15	20 - 22 ft.
SL-616-25	6,480	41	1,500	71	25	19	20 - 22 ft.
SL-618-20	6,690	41	1,200	56	20	15	22 - 24 ft.
SL-618-25	7,570	41	1,500	71	25	19	22 - 24 ft.
SL-620-20	7,220	41	1,200	56	20	15	24 - 26 ft.
SL-620-25	8,190	41	1,500	71	25	19	24 - 26 ft.

Telescoping Boxes

Often a standard series trench shield, such as an HT6, can be used in combination with a larger shield. This telescoping technique allows a contractor to reach greater depth without needing to maneuver stacked trench shields, which often requires the use of a larger excavator.

