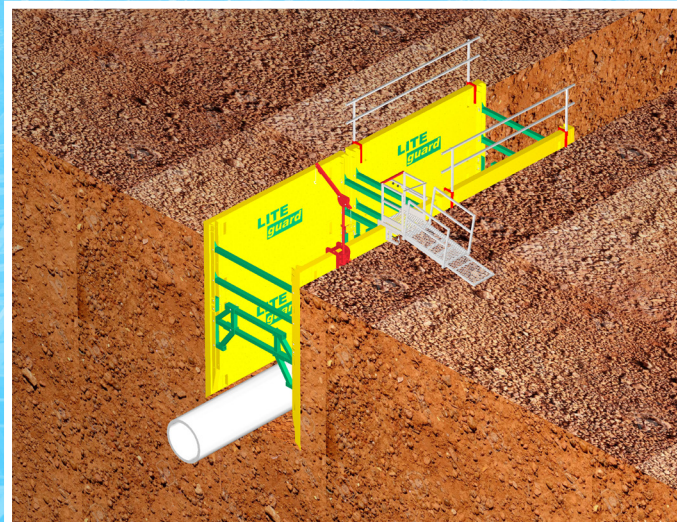


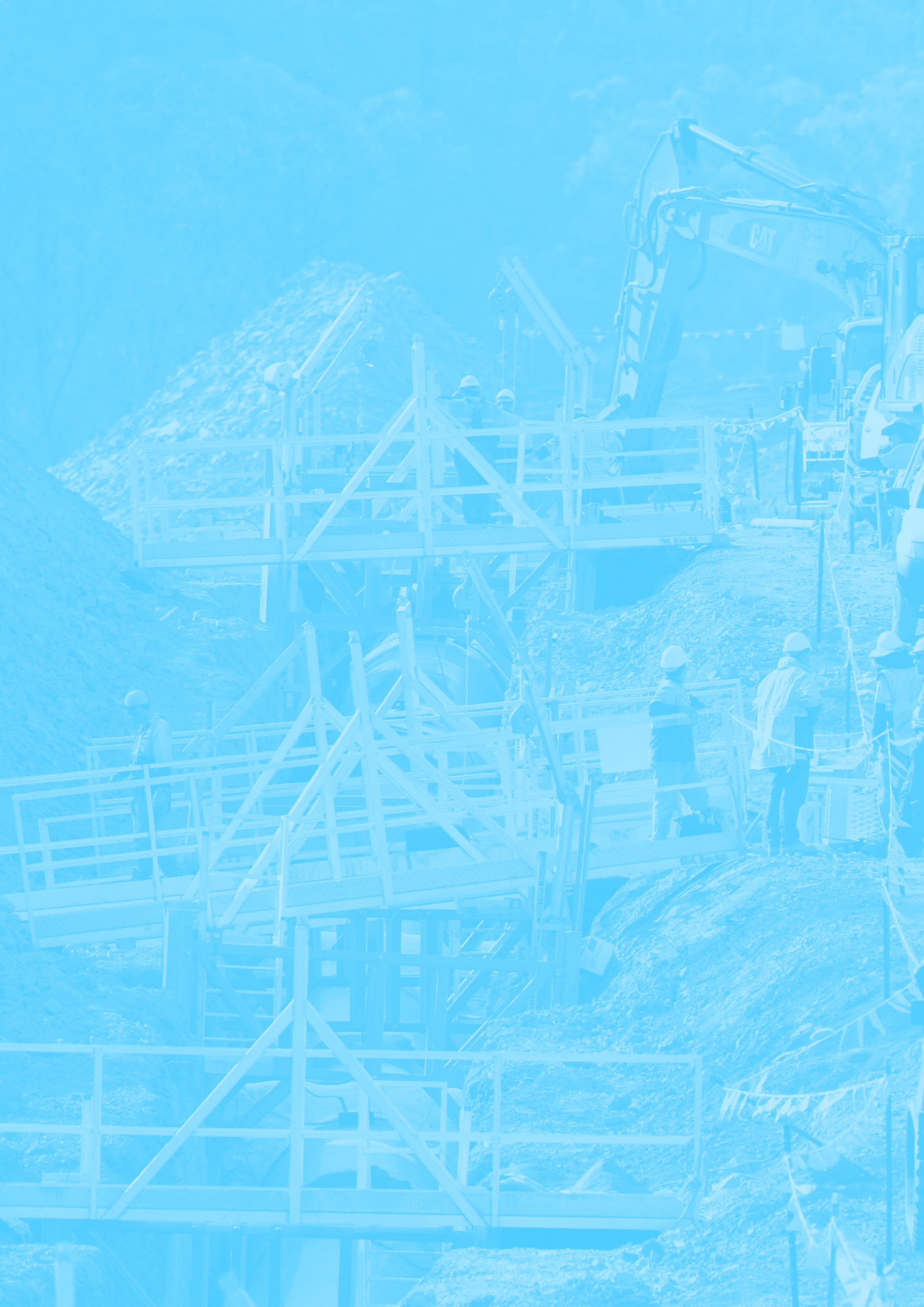
Generation 5

LITE guard



PRODUCT CATALOGUE





LITE guard Trench Shields... don't go down without them!

LITE industries are the Manufacturers of the LITE guard™ range of aluminium trench shoring.

We are the only Australian company specialising in the design and manufacture of aluminium trench shoring for the below ground safety of workers.

We have our standard proprietary range of shoring products, LITE shore soldier sets, Standard shields, City Box, Super shield, Mini Manhole boxes, Super manhole boxes, Super Size Shields.

Shields from 2400mm long to 7200mm long, heights from 1200mm to 3000mm. Panel weights from 55kgs to 1150kgs.

LITE guard aluminium trench shields are in many cases structurally stronger than steel when it comes to the working loads of a trench collapse. LITE guard meets all the safety requirements of the Australian/New Zealand standard AS 4744.1-200, British/European standard BS.EN 13331.1 & 13331.2 and American standard OSHA Sub Part P

Other products we make or supply are:

- Davit arms,
- Fall arrest/recovery units,
- Harnesses,
- Rescue Stretchers
- Ladder Mate,
- Telescoping walkways 1200 – 2000mm & 2400 – 3500mm,
- Trench bridges come in various sizes 4000, 5000, 6000, 8000 & 10000mm,
- Road plates
- and temporary works designs.



We do also make steel shoring on request, with several designs for 3000mm long to 6000mm long.

We also specialise in one off design trench shoring systems. If you require something unique for a project, its very easy for us to develop and modify any shape of shoring with the use of our specialist extrusions.

We supply field and technical support if required. If you have an issue on site call us for advice and assistance in solving your issue.

Our staff include: Design Engineers, a production specialist and a Civil & Drainage contractor.

Panel Sizes and Ratings

Standard Shields

Panel Type	Panel Length mm	Panel Height mm	Safe Working Load (kPa)	Panel Thickness mm	Under Strut Clearance	Internal Clearance Strut to Strut mm	Unit weight Incl. 1000mm Struts
Unit	2400	1200	20 to 50	56	Various	Various	146kgs
Unit	1800	1200	20 to 50	56	Various	Various	110kgs
Unit	1200	1200	20 to 50	56	Various	Various	80kgs

Soldier Sets

Panel Type	Panel Length mm	Panel Height mm	Safe Working Load (kPa)	Panel Thickness mm	Under Strut Clearance	Internal Clearance Strut to Strut mm	Unit weight Incl. 1000mm Struts
Unit	200	1800	20	45	Various	n/a	35kgs
Unit	200	2400	20	45	Various	n/a	38kgs
Unit	200	3000	20	45	Various	n/a	49kgs

City Box

Panel Type	Panel Length mm	Panel Height mm	Safe Working Load (kPa)	Panel Thickness mm	Under Strut Clearance	Internal Clearance Strut to Strut mm	Unit weight Incl. 1000mm Struts
Lower	3000	1800	32	56	800	2700	462kgs
Lower	2400	2400	45	56	1100	2100	593kgs

Super Shields

Panel Type	Panel Length mm	Panel Height mm	Safe Working Load (kPa)	Panel Thickness mm	Under Strut Clearance	Internal Clearance Strut to Strut mm	Unit weight Incl. 1000mm Struts
Lower	3100	1950	60	90	950	2800	737kgs
Upper	3100	1950	60	90	550	2800	780kgs
Lower	3600	2400	43	90	1350	3300	978kgs
Upper	3600	1950	43	90	550	3300	870kgs
Lower	4000	2400	35	90	1350	3700	1086kgs



Scan the QR code to access our safe use manuals

Panel Sizes and Ratings

Super Size Shields

Panel Type	Panel Length mm	Panel Height mm	Safe Working Load (kPa)	Panel Thickness mm	Under Strut Clearance	Internal Clearance Strut to Strut mm	Unit weight Incl. 1000mm Struts
Lower	4000	2400	70	150	1350	3700	1293kgs
Upper	4000	1950	70	150	550	3700	1188kgs
Lower	5000	2400	55	150	1350	4700	1628kgs
Lower	6000	2400	45	150	1350	5700	1776kgs
Upper	6000	2400	45	150	1350	5700	1907kgs
Lower	7200	2400	36	150	1350	6900	2130kgs
Upper	7200	2400	36	150	1350	6900	2288kgs

Super Size Plus Shields

Panel Type	Panel Length mm	Panel Height mm	Safe Working Load (kPa)	Panel Thickness mm	Under Strut Clearance	Internal Clearance Strut to Strut mm	Unit weight Incl. 1000mm Struts
Lower	4000	2400	120	150	1350	3700	1585kgs
Upper	4000	1950	120	150	550	3700	1385kgs
Upper	4000	2400	120	150	1350	3700	1660kgs
Lower	5000	2400	70	150	1350	4700	1968kgs
Upper	5000	2400	70	150	1350	4700	2092kgs
Lower	6000	2400	52	150	1350	5700	2280kgs
Upper	6000	2400	52	150	1350	5700	2400kgs

Manhole Boxes

Panel Type	Panel Length mm	Panel Height mm	Safe Working Load (kPa)	Panel Thickness mm	Under Strut Clearance	Internal Clearance Strut to Strut mm	Unit weight Incl. 1000mm Struts
Unit	2000	2000	30	56	560	1800	400kgs
Unit	2400	2400	90	90	1150	2200	1000kgs
Unit	3000	2400	60	90	1150	2800	1183kgs

Bellhole Boxes

Panel Type	Panel Length mm	Panel Height mm	Safe Working Load (kPa)	Panel Thickness mm	Under Strut Clearance	Internal Clearance Strut to Strut mm	Unit weight Incl. 1000mm Struts
Lower	2000	2400	70	90	1350	1700	695kgs
Upper	2000	1200	70	90	n/a	1700	420kgs
Lower	2400	2400	60	90	1350	2100	780kgs
Upper	2400	2400	60	90	n/a	2100	800kgs

Standard Trench Shields

The standard LITE guard trench shields are our most popular unit. Standard trench shields come in a light weight single skin model or a double skin extruded panel. Meets AS 4744.1-2000 and BSEN 13331.1&2

The single skin trench shields can be stacked three high and with legs will give you a depth of 4200mm. This trench shield can also be inverted on its end for small shafts. The panels have multiple location points for the spreader bars which come in two sizes. The Panels only weigh 55kgs and a complete unit weighs in at just 130kgs.

The single skin panels have a variable WLL from 20kPa to 50kPa with the use of additional spreader bars. They are great as a maintenance unit which can be dismantled in minutes and carried into back yard or restricted access areas, even fits in the back of a ute.

These units come with adjustable spreader bars in 2 main sizes of 600-900mm or 1000-1800mm, we can make other sizes if required.

Single Skin Trench Shields:

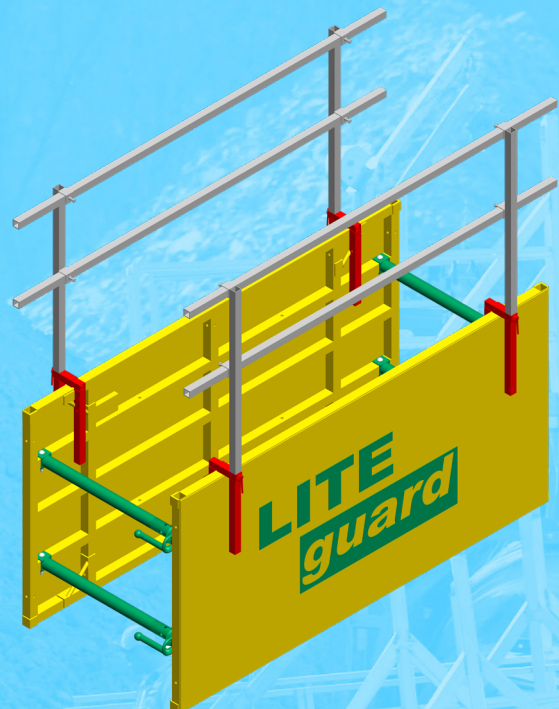
- Load rating 20kPa
- Legs available
- Can be stacked.
- Sizes available 2400mm L x 600mm H, 2400mm L x 1200mm H, 1200mm L x 1200mm H, 1800mm L X 1200mm H & 3000mm L X 1200mm H
- AS 4744.1-200, BS. EN 13331.1 & 13331.2. (British & Euro. standard), OSHA Sub Part P

Panel Weights:

- 2400mm L x 600mm H 30kg
- 2400mm L x 1200mm H 55kg
- 1200mm L x 1200mm H 30kg

Standard Shields

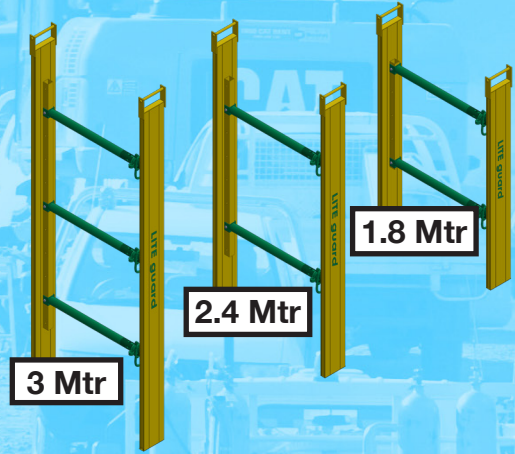
Panel Type	Panel Length mm	Panel Height mm	Safe Working Load (kPa)	Panel Thickness mm	Under Strut Clearance	Internal Clearance Strut to Strut mm	Unit weight Incl. 1000mm Struts
Unit	2400	1200	20 to 50	56	Various	Various	146kgs
Unit	1800	1200	20 to 50	56	Various	Various	110kgs
Unit	1200	1200	20 to 50	56	Various	Various	80kgs



Soldier Sets

LITE guard produces a range of aluminium soldier sets. These soldier sets are great for working around services, or small excavations. A minimum of 2 sets required when shoring a trench. The load rating is 20kPa.

Sizes: 1800mm and 2400mm long come with 2 mechanical adjustable spreader bars:
600mm to 900mm or 1000mm to 1800mm.
3000mm long come complete with 3 adjustable spreader bars.



Soldier Sets							
Panel Type	Panel Length mm	Panel Height mm	Safe Working Load (kPa)	Panel Thickness mm	Under Strut Clearance	Internal Clearance Strut to Strut mm	Unit weight Incl. 1000mm Struts
Unit	200	1800	20	45	Various	n/a	35kgs
Unit	200	2400	20	45	Various	n/a	38kgs
Unit	200	3000	20	45	Various	n/a	49kgs

City Box

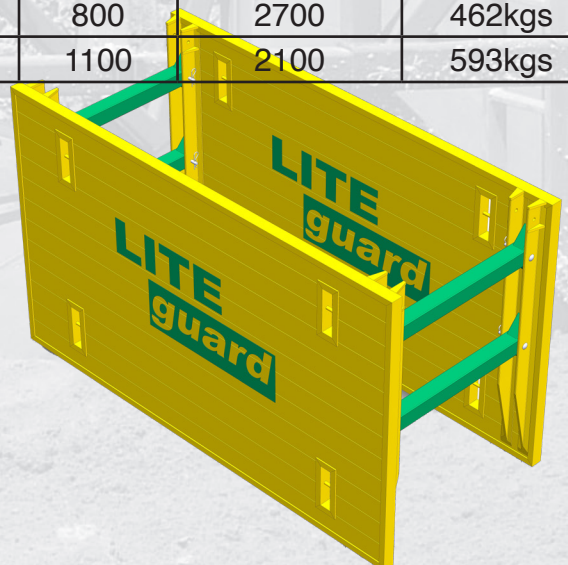
The LITE guard City box is a great trench shoring shield solution which is designed to fill a gap in the market for excavators in the 4.5 tonne to 7.0 tonne range as these machines have limited lifting capacity of around 500kgs. The City Box gives contractors using this size excavator a full size contractors trench shield.

Great for working in confined areas in the city or back yards where space is limited for machines.

City Box							
Panel Type	Panel Length mm	Panel Height mm	Safe Working Load (kPa)	Panel Thickness mm	Under Strut Clearance	Internal Clearance Strut to Strut mm	Unit weight Incl. 1000mm Struts
Lower	3000	1800	32	56	800	2700	462kgs
Lower	2400	2400	45	56	1100	2100	593kgs

The City Box comes in two trench shield sizes:

- The 3000mm L x 1800mm H with a working load limit of 32kPa can be inverted for stacking and the 2400mm L x 2400mm H size with a working load limit of 45 kPa are available with telescoping spreader bars up to 1800mm L. This size has fixed length spreader bars up to 3000mm.



Great Box Shoring suitable for smaller excavators in tight city areas with limited space.

Super Trench Shields

LITEguard's Super Trench Shields are aluminium trench shields suitable for smaller sub division works. The Trench shields are available in sizes 3100mm L x 1950mm H, 3600mm L x 2400mm H and 4000mm L x 2400mm H rated at 60 kPa, 43 kPa & 35 kPa. Super Trench shields are ideal trench shields for contractors using back hoes and smaller excavators from 5.0 tonne to 12 tonne. All models are available with a full range of spreader bars up to 4000mm wide. Developed for use with mini-excavators.

Double skin. Great contractors shield, good for all pipe laying and excavation work. Light weight, great working loads.

Spreader Bars: Fixed length spreader bars.
100 x 100 x 9 steel: 600mm to 4000mm

Panel Sizes:	Weight	Working Load
	3100mm L x 1950mm H x 90T	310kg 60kPa
	3600mm L x 2400mm H x 90T	430kg 43kPa
	4000mm L x 2400mm H x 90T	470kg 35kPa

High clear/rise bars available from 1500 high x 1500 wide to 2200 high x 3700 wide. Adjustable width. We can manufacture panel sizes to suit your individual requirements.

Super Trench Shields Meet Global Standards

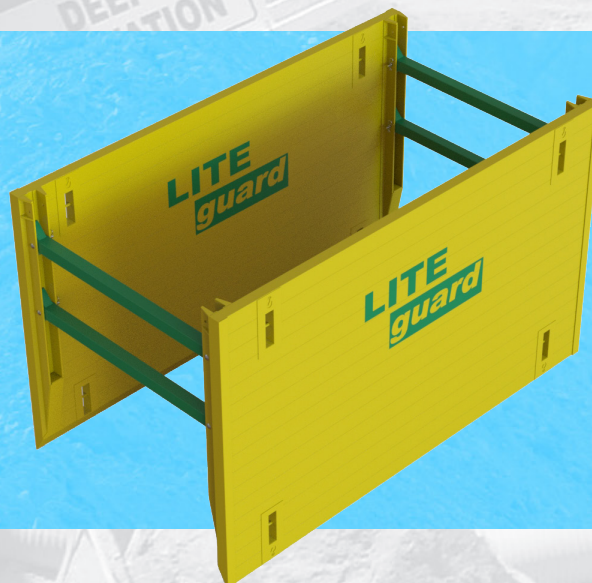
AS 4744.1-200, BS. EN 13331.1 & 13331.2. (British & European standard), OSHA Sub Part P

Super Shields

Panel Type	Panel Length mm	Panel Height mm	Safe Working Load (kPa)	Panel Thickness mm	Under Strut Clearance	Internal Clearance Strut to Strut mm	Unit weight Incl. 1000mm Struts
Lower	3100	1950	60	90	950	2800	737kgs
Upper	3100	1950	60	90	550	2800	780kgs
Lower	3600	2400	43	90	1350	3300	978kgs
Upper	3600	1950	43	90	550	3300	870kgs
Lower	4000	2400	35	90	1350	3700	1086kgs

Bellhole Boxes

Panel Type	Panel Length mm	Panel Height mm	Safe Working Load (kPa)	Panel Thickness mm	Under Strut Clearance	Internal Clearance Strut to Strut mm	Unit weight Incl. 1000mm Struts
Lower	2000	2400	70	90	1350	1700	695kgs
Upper	2000	1200	70	90	n/a	1700	420kgs
Lower	2400	2400	60	90	1350	2100	780kgs
Upper	2400	2400	60	90	n/a	2100	800kgs



Super Size Trench Shields

LITE guard's Super Size Trench Shields are aluminium trench shields suitable for use with larger machines and for the laying of long length pipes. The trench shields are available in sizes 4000mm L x 2400mm H, 5000mm L x 2400mm H, 6000mm L x 2400mm H & 7200mm L x 2400mm H rated at at 70kPa, 55kPa & 45kPa and 36kPa.

Super Size Trench Shields are available with high clear lattice spreader bars giving 2300mm under strut clearance. The largest of these trench shields weighs in at just on 2200kgs. This great strength to weight ratio is unique to the LITE guard range.

The Double skin shields are great for Contractors. They are good for all long length pipes and bore pits and excavation work. A fantastic working load for this size of trench shield.

Spreader Bars: To 70kPa, and high rise available on request.
High clear/rise bars available from 1500 high x 1500 wide to 2200 high x 3700 wide. Adjustable width.

Panel Sizes: 7200mm Long x 2400mm High x 150mm Thick.
Panel weight 950kg with a working load limit of 36kPa.

Assembled Trench Shield: 7200mmL x 2400mmH x 1000mmW spreader bars.
Weight 2.0 tonnes, working load 36kPa.

STEEL Equivalent: **6000mmL x 2400mmH with 1000mmW spreader bars.**
Weight 6500kgs, working load only 25kPa.

Trench shield also available in: 4000mmL x 2400mmH x 150 Thick. Panel weight 450kg.
Working load 70kPa. These trench shields can be custom made to your requirements.

3000mm long gives a massive 150kPa working load and 8000mm long gives a 25kPa working load. They can be supplied up to 10,000mm long with swing out intermediate spreader bars. Great for tank pits.



We can manufacture panel sizes to suit your individual requirements.

Super Size Trench Shields meet global standards

AS 4744.1-200, BS. EN 13331.1 & 13331.2.
(British & European standard), OSHA Sub Part P

Super Size Shields

Panel Type	Panel Length mm	Panel Height mm	Safe Working Load (kPa)	Panel Thickness mm	Under Strut Clearance	Internal Clearance Strut to Strut mm	Unit weight Incl. 1000mm Struts
Lower	4000	2400	70	150	1350	3700	1293kgs
Upper	4000	1950	70	150	550	3700	1188kgs
Lower	5000	2400	55	150	1350	4700	1628kgs
Lower	6000	2400	45	150	1350	5700	1776kgs
Upper	6000	2400	45	150	1350	5700	1907kgs
Lower	7200	2400	36	150	1350	6900	2130kgs
Upper	7200	2400	36	150	1350	6900	2288kgs

Super Size Plus Trench Shield

Strongest Aluminium Trench shield on the Market.

The Trench shield for deep, hard, wet and nasty ground.

LITE guard's Super Size PLUS Trench Shields are aluminium trench shields suitable for use with larger machines and for the laying of long length pipes. The trench shields are available in sizes 4000mm L x 2400mm H, 5000mm L x 2400mm H, 6000mm L x 2400mm H rated at 120kPa, 70kPa & 52kPa.

Super Size PLUS Trench Shields are available with high clear lattice spreader bars giving 2300mm under strut clearance, the largest of these trench shields weighs in at just on 2200kgs this great strength to weight ratio is unique to the LITE guard range.

Double skin. Shields are great contractors. They are good for all long length pipes and bore pits, excavation work. Fantastic working load for this size of trench shield

Spreader Bars: To 110kPa, and high rise available on request

High clear/rise bars available from 1500mm H x 1500mm L, to 2200mm H x 370mm L. Adjustable width.

High clear/rise bars available from 1500mm H x 1500mm L to 2200mm H x 370mm L. Adjustable width.

Panel Sizes: 6000mm L x 2400mm H x 150mm Thick.

Panel weight: 1050kg with a working load limit of 52kPa.

Assembled Trench Shield: 6000mm L x 2400mm H with 1000mm spreader bars.

Weight: 2200kgs, working load 52kPa.

This trench shield also available in: 4000mm L x 2400mm H x 150mm thick. Panel weight 780kg. Working load 105kPa.

These trench shields can be custom made to your requirements.



We can manufacture panel sizes to suit your individual requirements, up to 7200mm long.

Super Size PLUS Trench Shields meet global standards

AS 4744.1-200, BS. EN 13331.1 & 13331.2. (British & European standard), OSHA Sub Part P

Super Size Plus Shields

Panel Type	Panel Length mm	Panel Height mm	Safe Working Load (kPa)	Panel Thickness mm	Under Strut Clearance	Internal Clearance Strut to Strut mm	Unit weight Incl. 1000mm Struts
Lower	4000	2400	120	150	1350	3700	1585kgs
Upper	4000	1950	120	150	550	3700	1385kgs
Upper	4000	2400	120	150	1350	3700	1660kgs
Lower	5000	2400	70	150	1350	4700	1968kgs
Upper	5000	2400	70	150	1350	4700	2092kgs
Lower	6000	2400	52	150	1350	5700	2280kgs
Upper	6000	2400	52	150	1350	5700	2400kgs

Manhole Boxes

LITE guard's Manhole boxes are aluminium trench shields designed for use with manholes, pits and pump stations.

There are two models available, the Ultra Light Mini Manhole Box and the Super Manhole Box. The Ultra Light Mini is up to 2000mm L x 2000mm W x 195mm H, weighs in at just 350kgs and is rated at 30kPa.

The Super Manhole Box which uses the Super LITE guard extrusion 90mm thick on all sides comes in 2 sizes. Up to 2400mm L x 2400mm W x 2400mm H rated at 90kPa. Up to 3000mm L x 2400mm H are rated at 60kPa.

Manhole Box Sizes

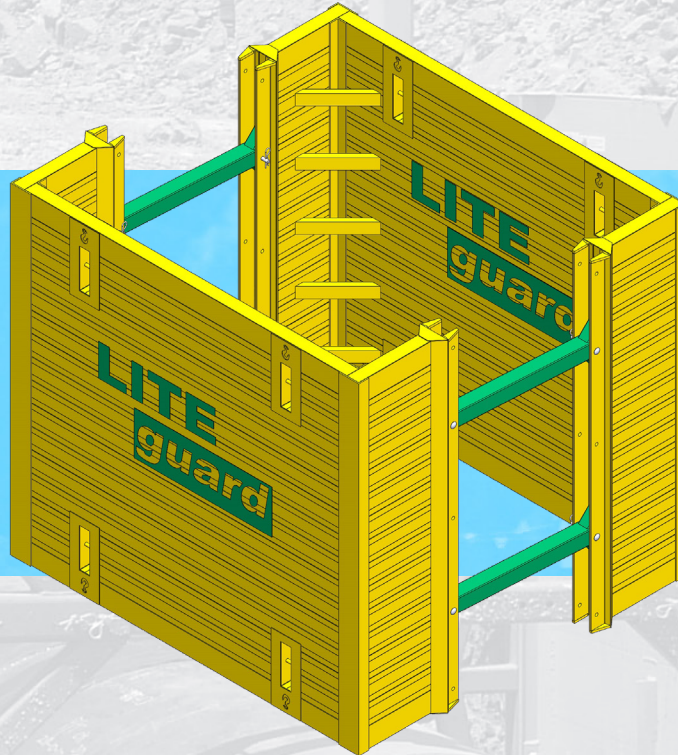
The LITE guard manhole box is available in three sizes from: 2000mm L x 2000mm W x 1950mm H x 56mm thick panels, 2400mm L x 2400mm W x 90mm and 3000mm L x 2400mm W x 2400mm H x 90mm thick panels.

Features

- Working loads 30kPa to 90kPa.
- Spreader bars 75 x 6 SHS on the 56mm manhole box
- Spreader bars 100 x 9 SHS on the 90mm manhole box
- Can be stacked
- Legs available with these units.
- Side door pipe access (optional if required).

Manhole Boxes meet Global Standards

BS. EN 13331.1 & 13331.2. (British & European standard) AS 4744.1-200, OSHA Sub Part P



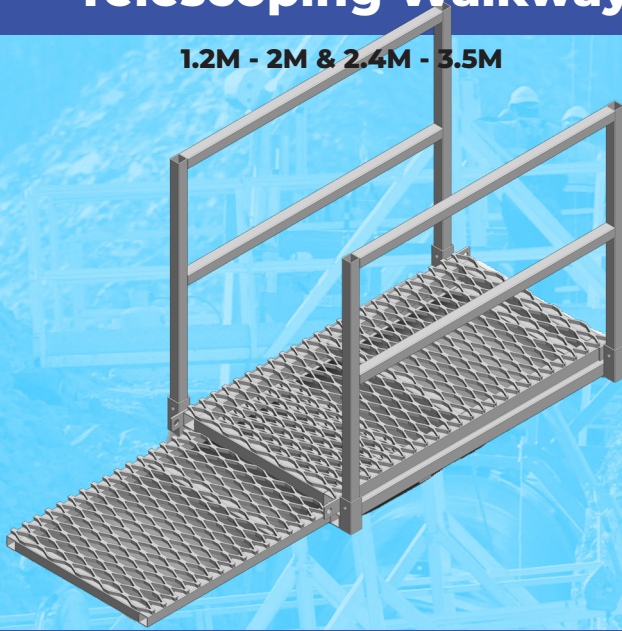
Manhole Boxes

Panel Type	Panel Length mm	Panel Height mm	Safe Working Load (kPa)	Panel Thickness mm	Under Strut Clearance	Internal Clearance Strut to Strut mm	Unit weight Incl. 1000mm Struts
Unit	2000	2000	30	56	560	1800	400kgs
Unit	2400	2400	90	90	1150	2200	1000kgs
Unit	3000	2400	60	90	1150	2800	1183kgs

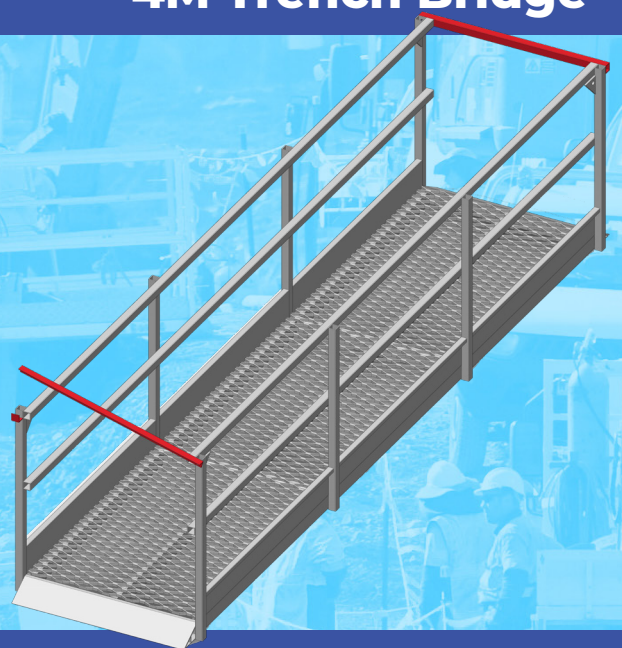
Accessories

Telescoping Walkway

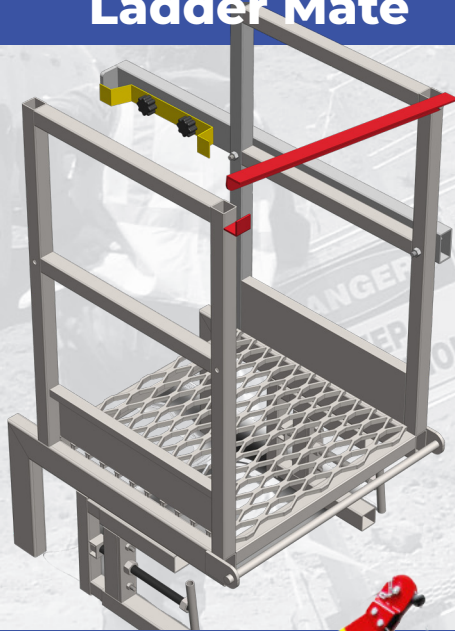
1.2M - 2M & 2.4M - 3.5M



4M Trench Bridge



Ladder Mate



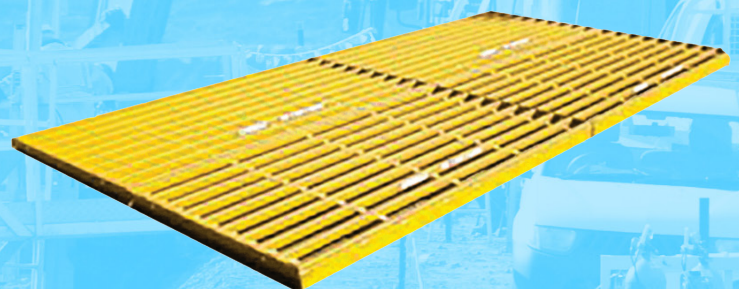
6M - 10M Trench Bridge



Davit Arm



Rumble Grid



Handrails and Road Plates also available

TORQ 15m Fall Arrest Recovery Device



Product Code:	AB15RT
Conformance:	BS EN 360 BS EN 1496
Cable:	15m x 5mm Galvanised Steel
Max Recommended User Weight:	150KG
Weight:	10.40kg
Service Interval:	12 months

TORQ 15m Fall Arrest Recovery Device is designed to provide fall protection from falls from height.

Anchored above the user, it gives the user a safe area of work. The retracting line pays in and out of the device as the user moves.

In the event of a fall, a brake engages, arresting the fall of the user with a controlled deceleration force.

The AB15RT has an integral winch mechanism, so in the event of a fall, the top man will be able to raise or lower the user to a safe area.

Swivel anchor eye on top.

Can be mounted onto Abtech Tripods and Davit arms for access and egress from a confined space.

TORQ 15m Fall Arrest Device

Product Code:	AB15T
Conformance:	BS EN 360
Cable:	15m x 5mm Galvanised Steel
Max Recommended User Weight:	150KG
Weight:	8.75kg
Service Interval:	12 months

TORQ 15m Fall Arrest Device is designed to provide fall protection from falls from height.

Anchored above the user, it gives the user a safe area of work. The retracting line pays in and out of the device as the user moves.

In the event of a fall, a brake engages, arresting the fall of the user with a controlled deceleration.



Safety CSTIKIT Confined Space Tripod

This Confined Space Tripod Kit comprises of the following:-

T3 Tripod

The tripod is the basis of a confined space entry and rescue system giving a strong, stable and portable anchorage point for fall arrest and recovery systems.

One worker can carry and erect the sturdy but lightweight aluminium alloy tripod.

For stability, the tripod legs may be individually adjusted. The T3 has 6 anchor points tested to EN795. The 3 overhead pulleys hold up to 11mm rope. The extra anchor points may be used with pulleys for a double roped rescuer, back-up system, airlines, communication lines, medical kits, tools etc

Features:-

- ❑ Designed for 2 persons, SWL 250Kg 6:1 safety ratio
- ❑ 3x Overhead Pulleys
- ❑ 3x Underslung Eyes
- ❑ Adjustable from 140cm - 240cm
- ❑ Leg span: 110cm - 170cm
- ❑ Certified to EN795 Type B
- ❑ Weight: 19.4kg



Harness

Rescue Harness complete with a dorsal (rear 'D') attachment point and thorax 'D' attachment point and overhead attachment point.

Suitable for general work application where there is a risk falling and working in confined spaces

Product Code:	ABRES
Conformance:	BS EN 361 BS EN 1497
Max Recommended User Weight:	150KG
Weight:	1.5kg
Chest Size:	ABRES SML - Small - 32" - 37" ABRES STD - Standard - 38" - 45" ABRES XL - Large - 46" - 58"

Lifespan: The maximum lifespan of the product is 10 years from the recorded first use. The type of use and the conditions will affect the lifespan of a product.



SLIX100 Stretcher, Horizontal & Vertical Lifting Strop and Carry Bag Kit

Conformance: CE 93/42/EEC CLASS 1
Max Recommended User Weight: 400KG
Width: 915mm
Length: 2300mm

A robust, compact and lightweight stretcher. The flexible material combined to a smooth finish allows easy sliding and permits the stretcher to be rolled width ways or lengthways to facilitate transport.

No webbing passes under the stretcher preventing damage whilst dragging. Strong handles around the stretcher allow it to be maneuvered by several rescuers. The stretcher may be hauled vertically or horizontally. The lifting strops secure and allow the stretcher to mould around the casualty.

The Abtech Stretcher may be used with the Abtech Two Person Tripod for confined space rescue.





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