

# ALUMINIUM SHORING SHIELDS



**ALUMINIUM SHORING SHIELDS ARE DESIGNED TO SAFELY AND EFFECTIVELY SUPPORT TRENCHES WHEN USING SMALLER EXCAVATORS AND BACKHOES.**

## FEATURES

- Lightweight
- Installed by small excavators and backhoes
- Adjustable steel speed struts
- Foam-filled, high yield, aluminium panels for strength
- Smoothwall panels reduces friction for removal
- High under-strut clearance
- Certified to Australian Standards

Aluminium Smoothwall Shoring Shields are an innovative development incorporating the many benefits of traditional aluminium shoring with the solid wall security of high strength extruded aluminium sections.

Due to their lightweight and robust design, the Aluminium Smoothwall Shoring Shield system is ideal for municipal maintenance, small utility installations and pipeline repairs. A backhoe or a small excavator can handle the shields, so this is an advantage over heavier steel trench boxes.

The static speed struts allow for easy width adjustments with pin spacings every 100mm, and the heavy-duty lifting eyes assist in easy installation and removal.

STRUT OPERATION RANGE		
Struts	Weight	Strut Range
ST 950	25kg	400–710mm
ST 1450	36kg	710–1210mm
ST 2300	52kg	1160–2060mm

Note: Specifications are approximate.

# ALUMINIUM SHORING SHIELDS



## SMOOTHWALL ALUMINIUM SHORING SHIELD SPECIFICATIONS

	1.8m x 1.8m	1.8m x 2.4m	2.4m x 2.4m	2.4m x 3.0m
Height	1840mm	1840mm	2450mm	2450mm
Length	1840mm	2450mm	2450mm	3050mm
Internal Width to Walers	400–2060mm	400–2060mm	400–2060mm	400–2060mm
External Width of Panels	790–2450mm	790–2450mm	790–2450mm	790–2450mm
STRUT RANGE	ST 950 – Internal Width to Walers	400–710mm	400–710mm	400–710mm
	ST 950 – Internal Width to Panels	640–950mm	640–950mm	640–950mm
	ST 950 – External Width to Panels	790–1100mm	790–1100mm	790–1100mm
	ST 1450 – Internal Width to Walers	710–1210mm	710–1210mm	710–1210mm
	ST 1450 – Internal Width to Panels	950–1450mm	950–1450mm	950–1450mm
	ST 1450 – External Width to Panels	1100–1600mm	1100–1600mm	1100–1600mm
	ST 2300 – Internal Width to Walers	1160–2060mm	1160–2060mm	1160–2060mm
	ST 2300 – Internal Width to Panels	1400–2300mm	1400–2300mm	1400–2300mm
ST 2300 – External Width to Panels	1550–2450mm	1550–2450mm	1550–2450mm	1550–2450mm
Clearance Between Struts	1320mm	1930mm	1930mm	2530mm
Clearance Under Bottom Strut	815mm	815mm	1195mm	1195mm
Weight With ST 950 Struts	425kg	525kg	615kg	850kg
Panel Thickness	75mm	75mm	75mm	75mm
Working Load Limit	48KPa	33KPa	23KPa	21KPa

Note: Specifications are approximate.

## SHORE 4.2m-35 ALUMINIUM TRENCH BOX



**THE SHORE 4.2m-35 ALUMINIUM TRENCH BOX PROVIDES THE PERFECT BALANCE OF STRENGTH, TOUGHNESS AND LIGHT WEIGHT TO ALLOW SMALLER EXCAVATORS TO HANDLE THE REALLY DIFFICULT PIPELINE PROJECTS.**

With a 100mm wall thickness, the 4.2m-35 Aluminium Trench Box allows for narrower trenches in tight projects and means less bedding material is required which converts to real savings on most pipeline projects.

The Shore 4.2m-35 lower unit has a knife edge which gives the contractor choice of either the Dig & Place or Dig & Push installation method so whether the ground is solid clay or fine sand you have it covered. These trench boxes also have built in "toe out" to make your job even easier.

If you need extra depth, just use the 1.86m upper units as a top extension or it can also be used as a trench box as it has an under strut clearance of 860mm.

The Shore 4.2m-35 Aluminium Trench Box is designed to be used to support trenches to any depth, provided the working load limit of 35KPa is not exceeded.

# SHORE 4.2m-35 ALUMINIUM TRENCH BOX



## FEATURES

- Foam filled to reduce water logging
- 100mm thick walls
- Reinforced top plate
- Four steel lifting points
- Aluminium construction
- Use the upper as a top extension
- Heavy-duty construction
- End Panels available
- Manufactured to Australian Standards
- Compatible with 141 Struts
- Compatible with Edge Safe Protection
- Upper unit can be used as a stand alone shore box
- Toe out for Dig & Push installation method

## SHORE 4.2m-35 ALUMINIUM TRENCH BOX SPECIFICATIONS

Specification	Base	Top
Length	4250mm	4250mm
Height	2440mm	1860mm
Min Width Internal	860mm	860mm
Max Width Internal	4260mm	4260mm
Clearance Between Struts	3700mm	3700mm
Clearance Under Bottom Strut	1450mm	860mm
Weight With 1000mm Strut	1696kg	1476kg
Panel Weight	805kg	695kg
Panel Thickness	100mm	100mm
Working Load Limit	35KPa	35KPa
Strut Weight Per Metre (141 Struts)	21.6kg/m	21.6kg/m

Note: Specifications are approximate.