



ALUMINIUM

Trench Shields

TT-100

TuffTech Aluminium Trench Shields TT-100

TuffTech Aluminium Trench Shields have been engineered as a lightweight, high-capacity solution for extra demanding excavation work. Built from high strength aluminium, they combine strength & durability with portability to deliver premium site performance while maintaining practical value.

Compliant with British and European Standards BS. EN 13331.1 & EN13331.2, Australia & New Zealand Standards AS 4744.1:2025

Features



Lightweight high-strength aluminium construction



Optional leading cutting edge for better drag-box performance



Fully sealed working face for reliability



42-tonne extraction capacity with purpose-build extraction hooks



Easy and straightforward assembly



Cutting edge on lower panels for added stability



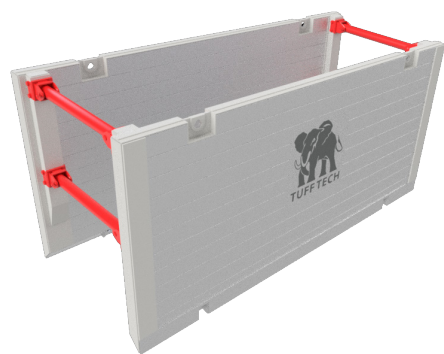
Configuring the T-100 System

TT-100 Upper Shield



Height (meter)	Length (meter)	Weight (kg)	Rated Capacity (kPa)
1.2	4.0	951	88
	5.0	1211	70
	6.0	1471	48
	7.0	1731	35

TT-100 Lower Shield



Height (meter)	Length (meter)	Weight (kg)	Rated Capacity (kPa)
2.4	4.0	1611	88
	5.0	1871	70
	6.0	2131	48
	7.0	2391	35

TT-100 Assembled



Height (meter)	Length (meter)	Weight (kg)	Rated Capacity (kPa)
3.6	4.0	2544	88
	5.0	2804	70
	6.0	3064	48
	7.0	3324	35

Accessories

Struts & accessories available for order as separate parts & can be replaced independently of panels.



Fixed Struts (\$100)

From 0.6 m – 4.0 m.
Available in 200 mm increments.



Panel Connectors

Bracket & pin sets for connecting upper panels to lower panels.



High Arch Struts

Internal working width range from 2.0m to 4.0m.



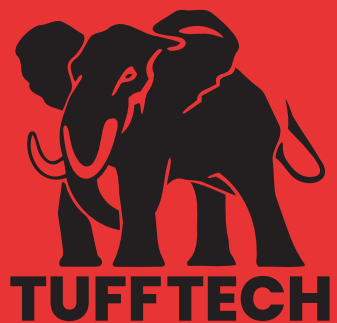
Strut Heads (\$100)

Connects strut to panel (bolted into panel).

Why TuffTech?

We provide engineered trench shoring and complementary products that make temporary works safer, simpler, and more efficient.

Backed by real-world experience, we deliver resilient yet cost-effective solutions with support from people who understand construction.



Tough Conditions.

Tuff Gear.