



STEEL LIGHTWEIGHT

Trench Shields

TT-91

TuffTech Steel Lightweight Trench Shields

TT-91

The TuffTech Lightweight Steel Trench Shield gives contractors a practical and easy-to-manage solution for everyday trenching work. Built from high-strength steel, it combines the durability and reparability of a steel system with a lighter overall design that makes transport and handling even more efficient on site.

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

Features

-  Lightweight high capacity steel
-  Wide range of fixed and adjustable struts for flexibility
-  Fully sealed working face for long-term reliability
-  27-tonne extraction capacity with purpose-build extraction hooks
-  Easy to assemble and repair – weldable steel
-  Integrated cutting edge for added stability

Pictured: TuffTech Steel Heavy Duty Trench Shield (TT-77)

Technical Specifications

Steel Lightweight Trench Shield (TT-91)



Height (m)	Length (m)	Weight (kg)	Rated Capacity (kPa)
2.0	2.0	802	90
	2.5	947	72
	3.0	1136	50
	3.5	1237	35

When jobs call for reliable trench protection without the weight of a heavy-duty system, the TT-91 provides a versatile alternative. Its lighter construction makes it suitable for projects where equipment needs to be moved regularly or access is tighter.

Designed for civil, drainage, utility, and general trenching work, the TT-91 offers contractors a durable system that is straightforward to deploy, maintain and use across multiple jobs.

Frequently Asked Questions

What is the benefit of a lightweight steel trench shield?

It provides the durability of steel in a lighter format, making transport, handling and repositioning more practical on site.

When should I choose the Steel Lightweight Trench Shield over the Steel Heavy Duty Trench Shield?

The Steel Lightweight suits jobs where a lighter, more manageable system is preferred and heavy-duty capacity is not required.

What types of projects is the steel lightweight shield suited to?

The Steel Lightweight Trench Shield is a practical option for civil, drainage, utility and other everyday trenching and excavation work.

Accessories

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

Compatible across TT-77 and TT-91 ranges.



Fixed Struts (S77)

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



Adjustable Struts (S96)

Come in 3 size increments
0.9-1.2 m, 1.2-1.8 m, & 1.8-3.0 m.



Panel Connectors

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



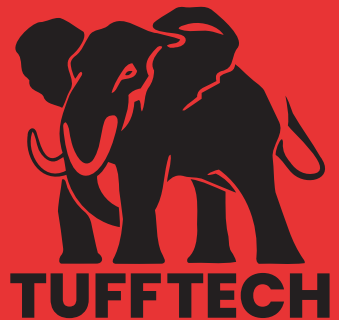
Strut Heads (S77 & 96)

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.