



STEEL HEAVY DUTY
Trench Shields
TT-77

TuffTech Steel Heavy Duty Trench Shields TT-77

The TUFFTECH TT-77 (HEAVY DUTY) series of trench shields provides a range of robust yet lightweight solutions based on panels manufactured from high-strength steel.

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

Features



High capacity at a lower weight



Competitively priced with practical long-term value



Fully sealed working face for reliability



Purpose-built extraction hook points



Easy to assemble and repair - weldable



Cutting edge on lower panels for added stability



Configuring the T-77 System

TT-77 Upper Shield



Height (meter)	Length (meter)	Weight (kg)	Rated Capacity (kPa)
1.5	3.0	974	80
	3.5	1093	69
	4.0	1395	55
	4.5	1331	42

TT-77 Lower Shield



Height (meter)	Length (meter)	Weight (kg)	Rated Capacity (kPa)
1.5	3.0	1651	80
	3.5	1877	69
	4.0	2147	55
	4.5	2330	42

TT-77 Assembled



Height (meter)	Length (meter)	Weight (kg)	Rated Capacity (kPa)
3.8	3.0	2535	80
	3.5	2881	69
	4.0	3421	55
	4.5	3578	42

Accessories

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

Compatible across TT-77 and TT-91 ranges unless specified.



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).



High Arch Struts (HA120)

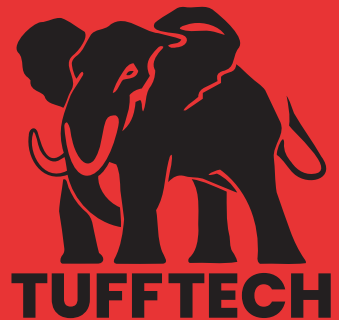
Internal working width range
from 2.0 m to 4.0 m.

Exclusive to T-77 range.

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.