



TRENCHING & SHORING

Light Trench Box Technical Data Sheet

This technical data sheet is intended to provide basic information for users of the GAP Group Light Trench Box System and draw the client's attention to the aspects of Trench Box Assembly, installation, weight, dimensions, planning and lifting operations which need to be considered in compiling method statements.

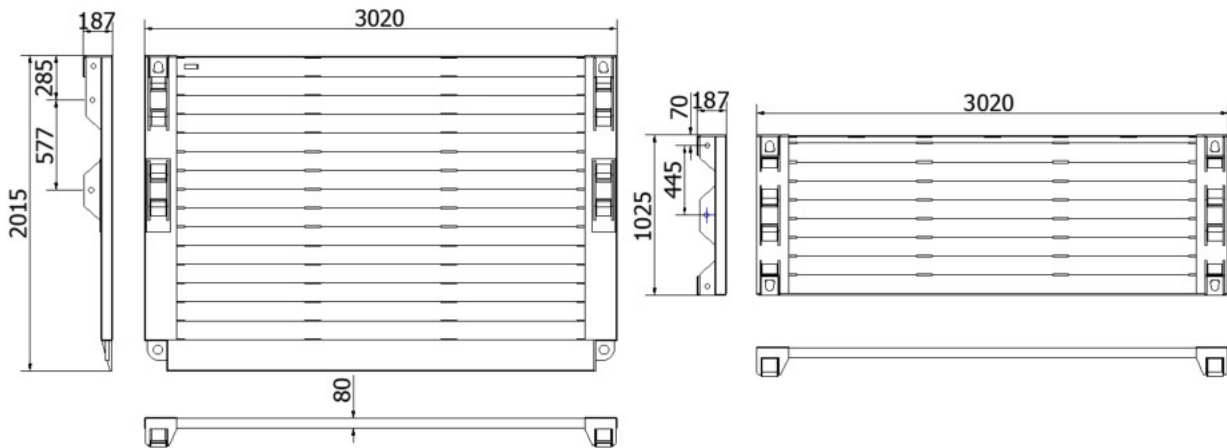
It is assumed that clients are familiar with general safe practices applicable to this type of work. The Light Trench Box is a two-sided mechanical excavation support system for support of trenches up to ***4.0m deep**. It is not intended for other purposes.

GAP's Light Trench box is designed for use with small excavators that have a limited lifting capacity. This box can be used in conjunction with Manhole boxes to connect two manholes. These boxes are designed to be installed by an excavator using either dig and push or excavate and lower in place technique. This box can resist a maximum lateral earth pressure of **28kN/m²**.

Each base panel weighs **567kg** and each extension panel weighs **320kg**.

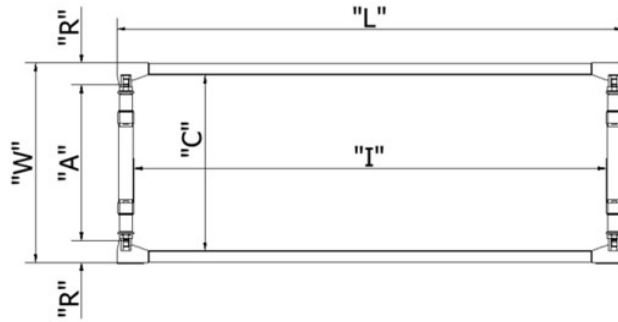
*Note: Max depth achievable using a base and 2no. extensions.

Box Component Identification, Range and Dimensions



Pin and Struts

There are 8No. pins and 4n connectors required to attach one extension box with the base box.



Strut Type	"A" Pin to Pin Length (mm)		"R" Outside Face to Pin Centre (mm)	"C" Internal Clearance (mm)		"I" Internal Clearance (mm)	"W" Overall Width (mm)		Clearance Below Lower Strut (mm)	"L" Overall Length (mm)
	Min	Max		Min	Max		Min	Max		
Size 0	480	680	170	620	820	2696	820	1020	1100	3020
Size 1	680	1080	170	820	1220	2696	1020	1320	1100	3020
A Type	1150	1550	170	1290	1690	2696	1490	1890	1100	3020
B Type	1900	2300	170	2040	2440	2696	2240	2640	1100	3020
C Type	2650	3050	170	2790	3190	2696	2990	3390	1100	3020

Struts:

SIZE 0 OUTER STRUT	
SIZE 0 INNER STRUT	
SIZE 1 OUTER STRUT	
SIZE 1 INNER STRUT	
A DOUBLE ENDED OUTER STRUT	
B DOUBLE ENDED OUTER STRUT	
C DOUBLE ENDED OUTER STRUT	