



TRENCHING & SHORING

Mini Drag Box Technical Data Sheet

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

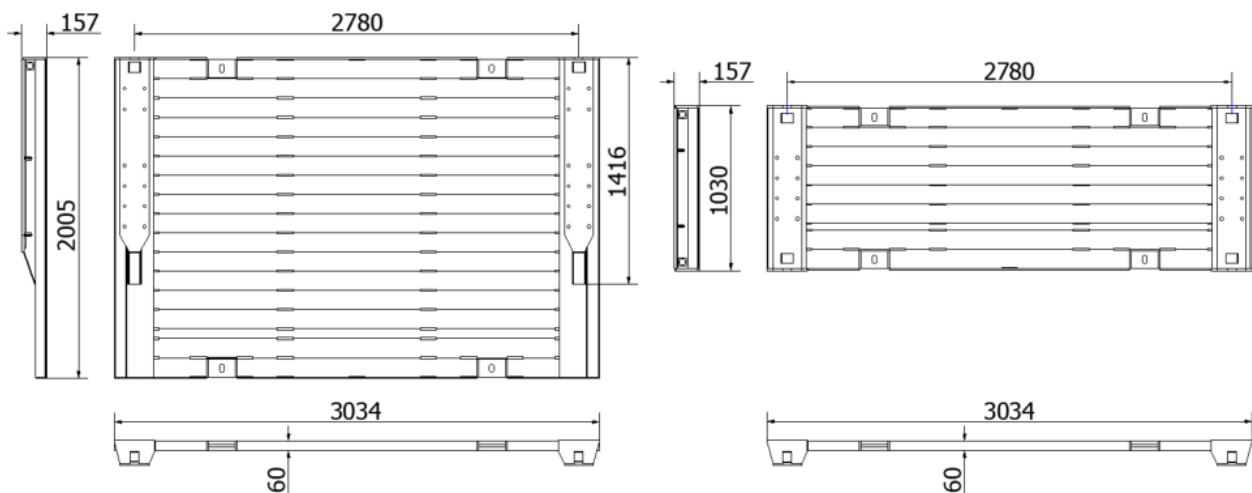
It is assumed that clients are familiar with general safe practices applicable to this type of work. The Mini Drag Box is a two-sided mechanical excavation support system for support of trenches up to ***3.9m deep**. It is not intended for other purposes.

GAP's Mini Drag box is designed for use with small excavators that have a limited lifting capacity. 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 **25kN/m²**.

Each base panel weighs **604kg** and each extension panel weighs **365kg**.

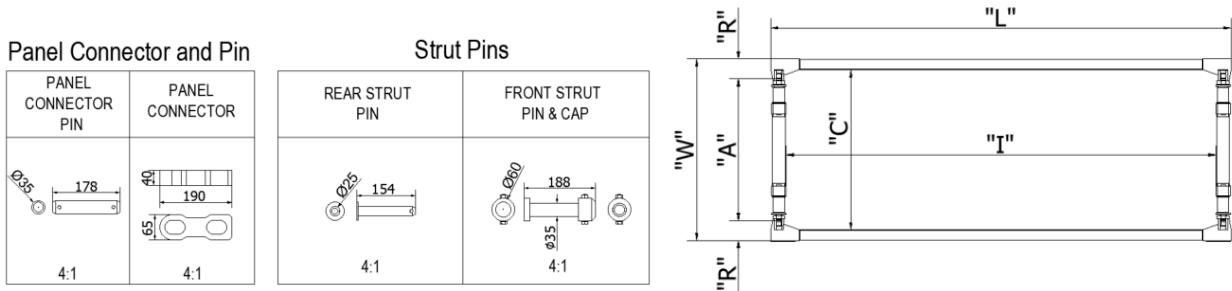
*Note: Max depth achievable using a base and 2no. extensions.

Box Component Identification, Range and Dimensions



Pin and Struts

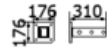


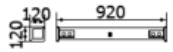
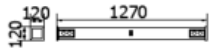
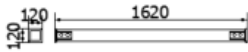
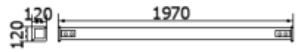
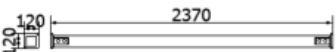
There are 8No. Pins and 4No. connectors required to attach one extension box with the base box.



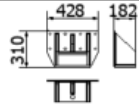

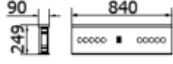
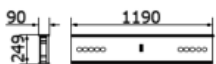
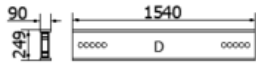
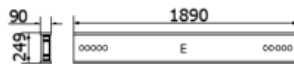
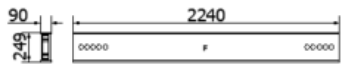
Strut Type	"A" Pin to Pin Length (mm)		"R" Outside Face to Pin Centre (mm)	"C" Internal Clearance (mm)		"I" Internal Clearance (mm)	"W" Overall Width (mm)		Clearance Below Lower Strut (mm)	"L" Overall Length (mm)
	Min	Max		Min	Max		Min	Max		
Size A	380	580	150	560	760	2600	680	880	1200	3034
Size B	630	980	150	810	1160	2600	930	1280	1200	3034
Size C	970	1370	150	1150	1550	2600	1270	1670	1200	3034
Size D	1320	1720	150	1500	1900	2600	1620	2020	1200	3034
Size E	1670	2070	150	1850	2250	2600	1970	2370	1200	3034
Size F	2020	2420	150	2200	2600	2600	2320	2720	1200	3034
Size G	2420	2820	150	2600	3000	2600	2720	3120	1200	3034

Struts:

Drag Box Rear Struts

STRUT END INNER	
SIZE A SPACER (550-750)	
SIZE B SPACER (800-1200)	
SIZE C SPACER (1150-1500)	
SIZE D SPACER (1500-1850)	
SIZE E SPACER (1850-2200)	
SIZE F SPACER (2200-2550)	
SIZE G SPACER (2550-2950)	

Drag Box Front Struts

FRONT STRUT MOUNTING	
FRONT STRUT A (580mm)	
FRONT STRUT B (840)	
FRONT STRUT C (1190)	
FRONT STRUT D (1540)	
FRONT STRUT E (1890)	
FRONT STRUT F (2240)	
FRONT STRUT G (2640)	