



## TRENCHING & SHORING

### Mini Drag Box Technical Data Sheet

This technical data sheet is intended to provide basic information for users of the GAP Group Maxi Drag 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.

#### Overview

It is assumed that clients are knowledgeable about the general safety practices associated with this type of work. The Standard Drag Box is a two-sided mechanical excavation support system designed to support trenches up to **3.9m deep**. It is not intended for any other applications.

#### System Features

- **Depth Capacity:** Up to 3.9 meters (achievable with 1 base and 2 extensions).
- **Maximum Lateral Earth Pressure:** 25kN/m<sup>2</sup>
- **Box Plate Thickness:** 60mm
- **Installation Methods:** Can be installed by an excavator using either the dig and push or excavate and lower method.

#### Weight

- **Complete Base Box:**
  - Weight: 1250 kg
  - Components: 2 panels, 4 struts, pins and R-clips
- **Complete Extension Box:**
  - Weight: 700 kg
  - Components: 2 panels, 2 struts, pins and R-clips

#### Planning & Installation

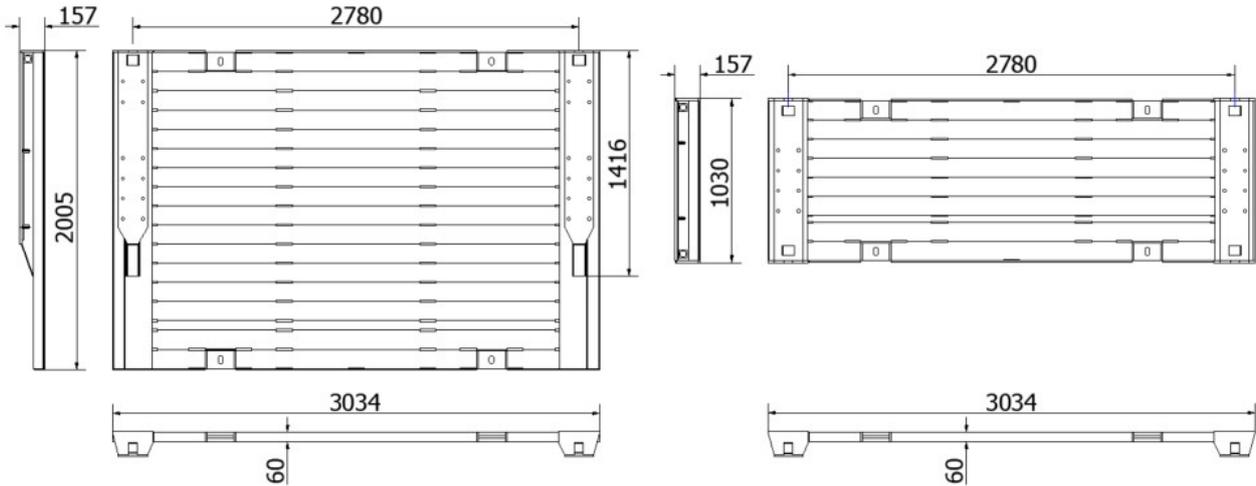
- Ensure that method statements consider the specific requirements of the Drag Box system, including lifting and handling procedures.
- Familiarity with general safety practices for mechanical excavation support systems is assumed.

#### Lifting & Handling

- A suitable lifting appliance is required for safe off-loading and installation.
- Ensure that there is adequate clearance under the main hook for safe lifting angles.
- If the Drag Box is not lifted directly into the excavation, maintain a safe distance from the edge and verify that the lifting equipment is within its safe working radius.
- \*Note: Max depth achievable using a base and 1no. extension.

For further information or assistance, please contact GAP Group.

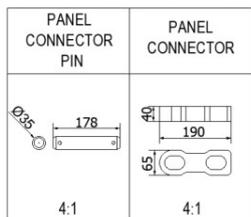
## Box Component Identification, Range and Dimensions



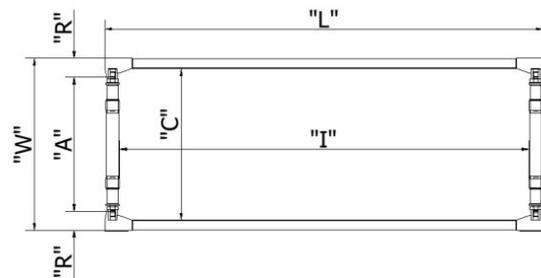
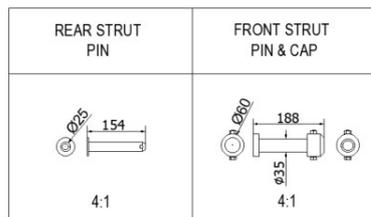
## Pin and Struts

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

Panel Connector and Pin



Strut Pins



Strut Type	"A"		"R"	"C"		"I"	"W"		Clearance Below Lower Strut (mm)	"L"
	Pin to Pin Length (mm)			Outside Face to Pin Centre (mm)	Internal Clearance (mm)			Overall Width (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

**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)	

**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)	