



TRENCHING & SHORING

Maxi 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 **2.9m deep**. It is not intended for any other applications.

System Features

- **Depth Capacity:** Up to 2.9 meters (achievable with 1 base and 1 extension).
- **Maximum Lateral Earth Pressure:** 20kN/m²
- **Box Plate Thickness:** 100mm
- **Installation Methods:** Can be installed by an excavator using either the dig and push or excavate and lower method.

Weight

- **Complete Base Box:**
 - Weight: 2280 kg
 - Components: 2 panels, 4 struts, pins and R-clips
- **Complete Extension Box:**
 - Weight: 1152 kg
 - Components: 2 panels, 2 struts, pins and R-clips

Planning & Installation

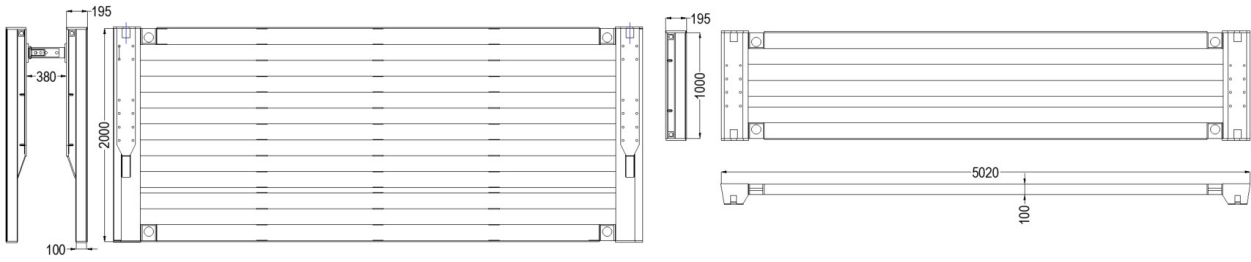
- Ensure that method statements consider the specific requirements of the Drag Box system, including lifting and handling procedures.
- Familiarity with general safety practices for mechanical excavation support systems is assumed.

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.

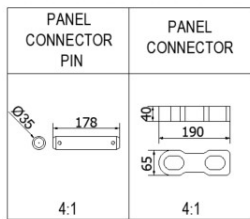
Box Component Identification, Range and Dimensions



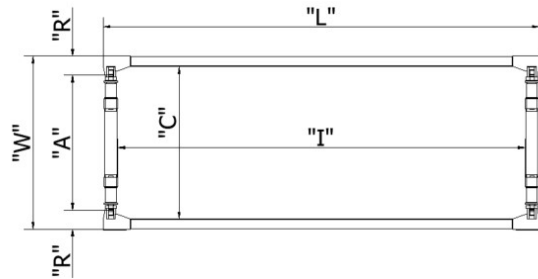
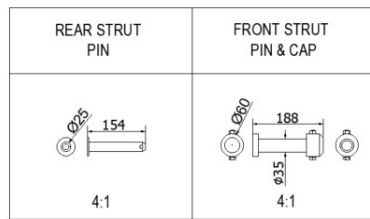
Pin and Struts

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" 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	195	570	770	4654	770	970	1200	5020
Size B	630	980	195	820	1170	4654	1020	1370	1200	5020
Size C	970	1370	195	1160	1560	4654	1360	1760	1200	5020
Size D	1320	1720	195	1510	1910	4654	1710	2110	1200	5020
Size E	1670	2070	195	1860	2260	4654	2060	2460	1200	5020
Size F	2020	2420	195	2210	2610	4654	2410	2810	1200	5020

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)	