

Double Acting Frame Technical Data Sheet

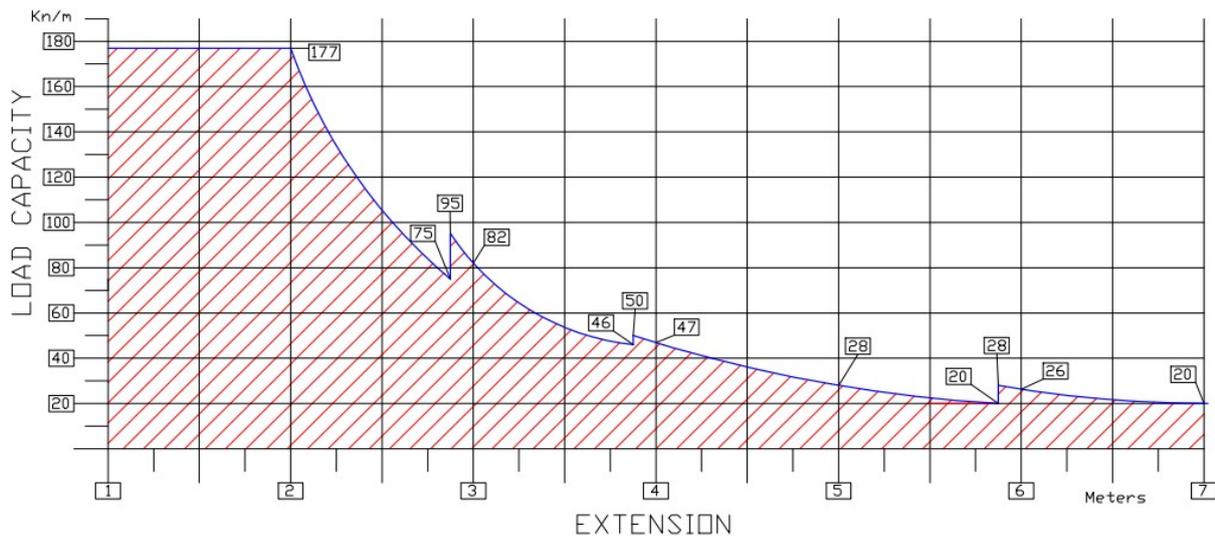
This document provides essential information for users of the GAP Group Double Acting Frames, highlighting key considerations for planning, lifting, and installation. It is crucial to incorporate these details into method statements.

Purpose

The Double Acting Frame is designed as a temporary waling system for sheeted excavations and should not be used for other applications. It features a 4-way hydraulic adjustment to accommodate various plan dimensions.

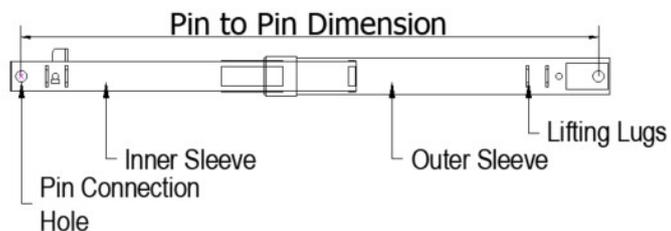
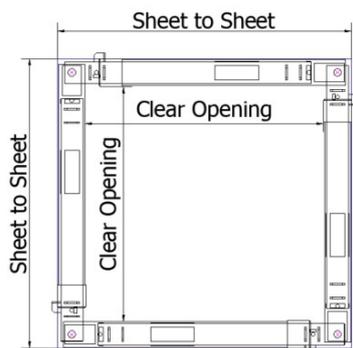
Technical Specifications

- **Working Load Capacity:** 20 kN/m to 177 kN/m
- **Axial Load:** 100 kN
- **Span Range:** 2.0m (minimum) to 7.0m (maximum)



The Double Acting Frame can be span between **2.0m (minimum)** and **7.0m (maximum)**.

Component Identification, Range, Dimension and Weight:



Leg Type	Clear Opening (Minimum)	Clear Opening (Maximum)	Sheet to Sheet (Minimum)	Sheet to Sheet (Maximum)	Beam Width	Weight Per Leg
Type A	1680mm	2680mm	2000mm	3000mm	180mm	219kg
Type B	2680mm	3680mm	3000mm	4000mm	180mm	271kg
Type C	3680mm	4680mm	4000mm	5000mm	180mm	324kg
Type D	4680mm	5680mm	5000mm	6000mm	180mm	375kg
Type E	5680mm	6680mm	6000mm	7000mm	180mm	627kg

Plant & Lifting

- Use appropriate lifting appliances for off-loading and installation.
- Ensure sufficient clearance for safe lifting angles.
- Place lifting equipment at a safe distance from the excavation edge.

Assembly

- Connect corners using a 50mm diameter pin with a spring retention clip.
- Keep the legs level during assembly to simplify the process.

Handling

- Only use a suitable 4-leg lifting chain for lifting the manhole brace.
- **Important:** Never use the supplied hanging chains for lifting; they are only backup supports in case of hydraulic ram failure.

Frame Adjustment

The manhole brace includes a double-acting hydraulic ram for full hydraulic adjustment over a 1000mm range. Adjustment is performed using the provided hydraulic hand pump and hoses.

D/A - A-Leg Wgt: 219kg		
D/A - B-Leg Wgt: 271kg		
D/A - C-Leg Wgt: 324kg		
D/A - D-Leg Wgt: 375kg		
D/A - E-Leg Wgt: 627kg		