



TRENCHING & SHORING

Trench Sheets Technical Data Sheet

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

Standard Trench Sheet Piles:

Standard Lapped Trench Sheet	Working Bending Moment (kNm/m)	Section Modulus (cm ³ /m)	Moment of Inertia (cm ⁴ /m)	Weight per Metre (kg/m)	Weight per Straight Metre (kg/m ²)
		8.0	68.7	124.0	11.3

KD6 Trench Sheet Piles:

KD6 Lapped Trench Sheet	Working Bending Moment (kNm/m)	Section Modulus (cm ³ /m)	Moment of Inertia (cm ⁴ /m)	Working Stress (N/mm ²)	Weight per Metre (kg/m)	Weight per Straight Metre (kg/m ²)
		34.0	184.0	717.5	183.0	37.5

MX500

MX500 Interlocking Trench Sheet	Working Bending Moment (kNm/m)	Section Modulus (cm ³ /m)	Depth of Pan (mm)	Effective Width (mm)	Weight per Metre (kg/m)	Weight per Straight Metre (kg/m ²)
		36.0	99.0	78.0	500.0	33.5

Note:

- Standard Sheet pile is available in length from 2.0m – 4.0m in 0.5m increments for SALE and HIRE.
- KD6 Sheet pile is available in length from 3.0m – 6.0m in 1.0m increments for SALE and HIRE.
- MX500 Sheet pile is available in 4m & 5m Lengths for SALE and HIRE.

Stacking and Handling of Sheet Piles

When handling and stacking bundles of sheet piles or light piling, either for on-site storage or transportation, it is essential to follow these guidelines to ensure safety and compliance:

- **Personnel Training and Supervision:**
 - Personnel involved in handling sheet piles must be suitably trained, experienced, and supervised by a competent person as required by the Management of Health and Safety at Work (MHSW) Regulations.
 - All lifting operations must be controlled by an appointed person in accordance with BS 7121 and LOLER (Lifting Operations and Lifting Equipment Regulations).
- **Storage Area Requirements:**
 - Select a dry, level, and firm area for on-site storage to ensure stability and safety.
- **Stacking Considerations:**
 - Use stacking timbers that are in good condition to support the sheets.
 - Sheets should be stacked resting on the two shoulders of the sheet, not on the pan, to avoid damage.
 - It is safer to stack bundles side by side rather than on top of each other.
- **Stacking Bundles on Top of Each Other:**
 - If stacking bundles vertically, ensure each bundle is placed directly above the one below to maintain stability.
- **Transportation Requirements:**
 - For transportation, ensure the loading is satisfactory to the driver, and the stack is securely restrained to the vehicle bed to prevent movement during transit.

These guidelines are crucial for safe handling and storage of sheet piles, reducing the risk of accidents and ensuring compliance with safety regulations.

General Guidance Notes

- **Usage:**
 - GAP Group Hire Trench Sheet Piles are designed specifically for trenching and excavation purposes. They should not be used for other applications without prior consultation with GAP Group Hire.
- **Checks Prior to and During Use:**
 - Before and during use, check that the top of the sheet pile is not distorted. Any distortion could interfere with the safe operation of slinging, driving, and excavation equipment.
- **Correct Accessories:**
 - Always use the appropriate GAP Group Hire accessories when driving and extracting GAP Group Hire Sheet Piles to ensure safe and efficient operations.
- **Client Responsibility:**
 - GAP Group Hire provides the equipment only. The responsibility for implementing a safe system of work for the installation and extraction of the equipment on-site lies with the client.
 - Clients are strongly advised to prepare a comprehensive method statement before starting work and to ensure that all activities are supervised and conducted by suitably qualified and experienced personnel.