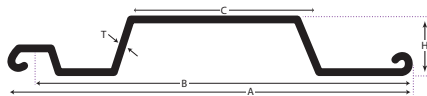
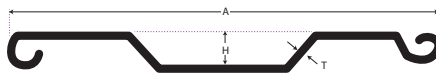
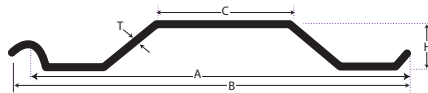
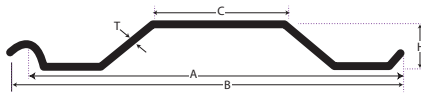
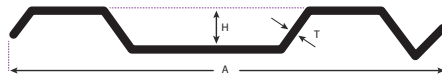




GROUNDWORKS

TRENCH SHEETING & PILING

User Guide

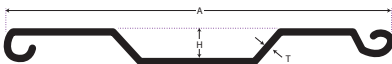


GENERATION
HIRE & SALE

Trench Sheeting & Light Piling

This booklet is intended to provide basic information for users of Generation UK Trench Sheeting and Light Piling and to draw the Client's attention to the practical aspects of using this equipment. In particular, the Client's attention is drawn to the size and weights of the components and the need for planning the lifting operations involved. It is assumed that Clients are familiar with general safe practices applicable to this type of work. This booklet should be read in conjunction with the user information for Trench Sheeting and Light Piling Accessories. Refer to Appendix A for details of our site demonstrator service.

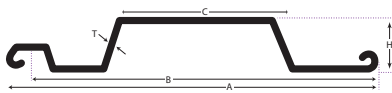
Identification & Properties of Interlocking Sheeting



L8 Interlock Code 120 (SALE ONLY)

Interlocking profile in mild steel, available in lengths from 1m to 5m.

A (mm)	Effective Width Per Sheet (mm)	H (mm)	T (mm)	kg/m	kg/m ²	Section Modulus Per Sheet	Bending Moment kNm/m	Available Lengths
460	432	35	3.4	14.52	33.61	22.23	8.22	1m - 5m



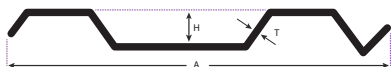
BVI500 Code 395

Overlapping profile in high yield steel, available in lengths from 3m to 8m.

A (mm)	B (mm)	C (mm)	H (mm)	T (mm)	kg/m	kg/m ²	Section Modulus Per Sheet	Section Modulus cm ³ Per Metre	Bending Moment kNm/m	Available Lengths
535.2	494	230.6	75	6	33.53	67.88	43.11	91.863	50.3	3m - 8m

NOTES:

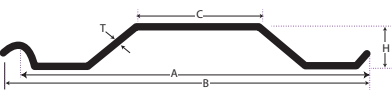
The bending moment capacity is based on bending tests to failure on 4no sheets. The test results are divided by 1.5 to give the working capacity quoted.



STANDARD Code 115

Overlapping profile in mild steel, available in lengths from 2m to 5m.

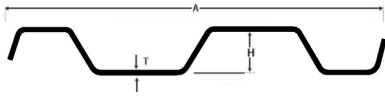
A (mm)	Effective Width Per Sheet (mm)	H (mm)	T (mm)	kg/m	kg/m ²	Section Modulus Per Sheet	Bending Moment kNm/m	Available Lengths
350	330	35	3.4	11.82	35.81	15.93	7.75	2m - 6m



HD2 Code 215

Overlapping profile in high yield steel, available in lengths from 3m to 8m.

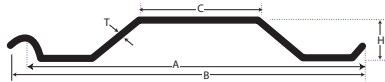
A (mm)	B (mm)	C (mm)	H (mm)	T (mm)	kg/m	kg/m ²	Section Modulus Per Sheet	Section Modulus cm ³ Per Metre	Bending Moment kNm/m	Available Lengths
742	764	267	90	8	54.17	73.01	187.91	253.25	59	3m - 8m



KD6 Code 255

Overlapping profile in mild steel, available in lengths from 3m to 8m.

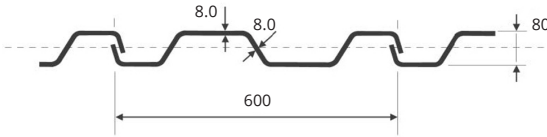
A (mm)	B (mm)	C (mm)	H (mm)	T (mm)	kg/m	kg/m ²	Section Modulus cm ³ Per Metre	Bending Moment kNm/m	Available Lengths
600	764	267	90	8	54.17	73.01	242.00	51.50	3m - 8m



BD500 Code 245

Overlapping profile in high yield steel, available in lengths from 3m to 7m.

A (mm)	B (mm)	C (mm)	H (mm)	T (mm)	kg/m	kg/m ²	Section Modulus Per Sheet	Section Modulus cm ³ Per Metre	Bending Moment kNm/m	Available Lengths
508	552.9	220	50	6	27.74	54.61	51.25	100	36.41	3m - 7m



KD60-8

Overlapping profile in high yield steel.

Sectional Area (cm ²)	Mass Single Pile (kg/m)	Mass Per m Wall (kg/m ²)	Moment of Inertia (cm ⁴)	Elastic Section Modulus (cm ³)	Radius of Gyration (cm)
64.44	50.00	83.33	968.00	242	3.00

NOTES:

STD available in lengths from 2.0 - 8.0m in 0.5m increments for SALE and HIRE.

BD500 available in lengths from 3.0 - 8.0m in 0.5m increments for SALE and HIRE.

Stacking & Handling of Sheeting

The Client's attention is drawn to particularly important points to be observed during stacking and handling bundles of sheets and light piling, either for storage on site or transportation.

The Regulations require that personnel deployed are suitably trained, experienced and supervised by a competent person. All lifting operations are to be controlled by an appointed person in accordance with LOLER regulations.

A suitable dry, level, firm area should be made available for storage on site.

Stacking timbers must be in good condition - minimum size 3" x 4" and maximum length 4'6" so that they are long enough to support bundles side by side if necessary and used in sufficient quantities to support the stack safely.

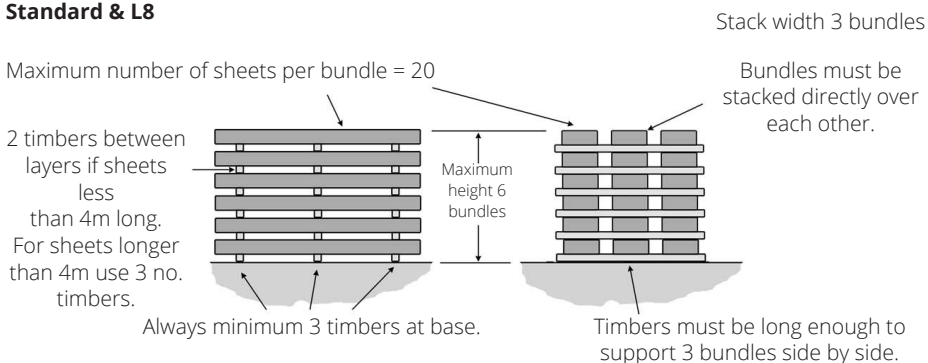
Sheets should be stacked resting on the two shoulders of the sheet and not the pan.

It is always safer to stack bundles side by side rather than on top of each other.

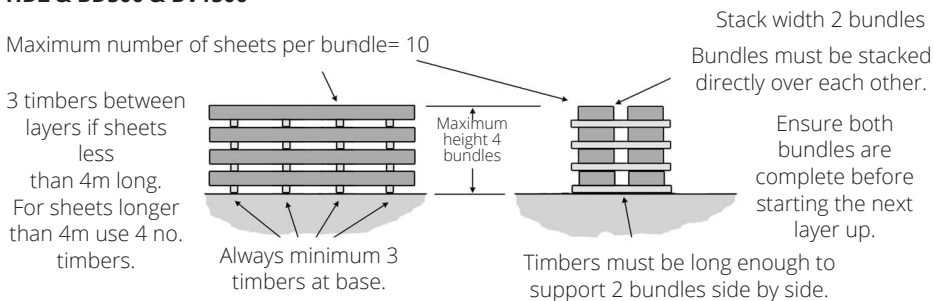
If stacking bundles on top of each other, each bundle must be laid directly above the bundle below.

If stacking for transportation purposes, the loading must be to the satisfaction of the driver and the stack adequately restrained to the vehicle bed.

Standard & L8



HD2 & BD500 & BV1500



General Guidance Notes

Usage

Generation Groundworks Trench Sheeting and Light Piling is intended for trenching and excavation purposes. It should not be used for other purposes without prior consultation with Generation UK.

Check that there is at least 75mm of sheet above the centre of the slinging hole.

Ensure that the top of the sheet is not distorted to an extent that it will interfere with the safe operation of slinging, driving and excavation equipment.

Ensure the correct Generation UK accessories are used when driving and extracting Generation sheets.

Installation and Extraction

Generation Groundworks are suppliers of equipment only and responsibility for adopting a safe system of work for the installation and extraction of the equipment on site remains with the Client. Clients are strongly advised to prepare a method statement before work commences and to ensure all work is supervised and carried out by suitably qualified and experienced personnel.

Slinging Hole & Safety Hole Details

Many piling hammers are fitted with a safety backup system for the clamping jaw mechanism. One such system is a 'safety chain' which is attached at one end to the hammer with the end passing through a hole in the trench sheet.

Sheet Connection Details

Interlocking

In Line Connections



When the sheets are interlocked, the pan of the sheets will be facing inwards and outwards on alternate sheets.

NOTE: It is NOT possible to mix two sides with odd numbers of sheets and two with even numbers of sheets, as this will result in one corner not being interlocked.

L8 Angle of Rotation

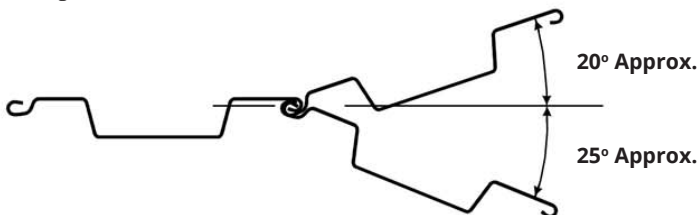


BV1 In Line Connections



When the sheets are interlocked, the pan will either be inwards or outwards on all the sheets.

BV1 Angle of Rotation



Sheet Connection Details

Overlapping

Standard Lap Details



When the sheets are lapped, the pan will be facing inwards and outwards on alternate sheets, giving an effective coverage of 394mm.

HD2 Lap Details



When the sheets are lapped, the pan will be either inwards or outwards on all the sheets, giving an effective coverage of 764mm.

GROUNDWORKS BRANCHES NATIONWIDE

Groundworks Numbers:

UK: **087 0870 8484**

IRL: **00353 1 601 1500**



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TO FIND**



**YOUR LOCAL
BRANCH**



**GENERATION
HIRE & SALE**

Altrad Generation UK Head Office
Trinity Street, Off Tat Bank Road, Oldbury, B69 4LA
Tel. 0121 543 2950
enquiries@generationuk.co.uk
www.altradgeneration.com

Altrad Generation Ireland Head Office
Killeen Road, Bluebell, Dublin, Ireland
Tel. 01 601 1500
enquiries@generationuk.co.uk
www.altradgeneration.com