

GU13N INTERLOCKING SHEET PILES

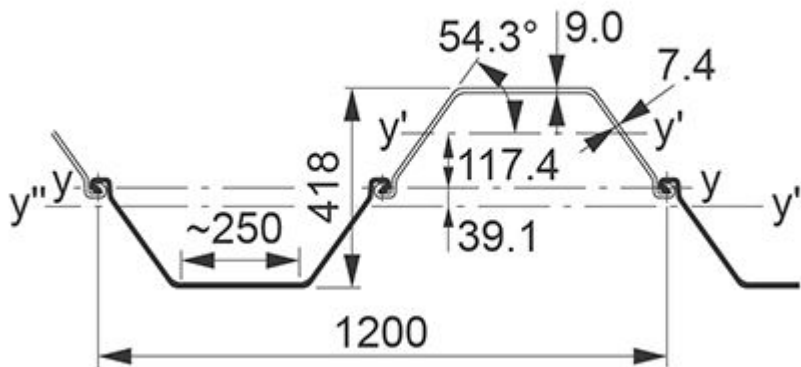
1/ Interlocking steel sheet piles should only be specified, installed & removed by competent persons using specialist equipment selected to suit the size of the sheet pile & the anticipated ground conditions & site constraints.

2/ Sheet piles are heavy & difficult to handle & pitch on site & so these operations should only be carried out by an experienced banksman. Always ensure that the excavator has sufficient reach to safely lift the sheets, the piles are not lifted over personnel & the trailing ropes on quick release shackles cannot snag. Care should be taken to avoid trapping fingers whilst pitching the piles. Additional care should be taken in windy conditions when it is recommended that at least 2 persons are used to pitch the piles.

3/ For cantilevered sheet pile wall designs a relevant borehole log must always be provided extending well beyond the toe of the sheet.

4/ When stacking piles on site it is recommended that they are placed in bundles of no more than 6 sheets & staggered on timber spacers to allow for ease of handling & to minimise the risks of trapping hands & fingers.

5/ Sheet piles must only be removed by using sheet extractors. The use of a pitching shackle will lead to damage to the mechanism.





	Sectional area	Mass per m	Moment of inertia	Elastic section modulus	Radius of gyration	Coating area*
	cm ²	kg/m	cm ⁴	cm ³	cm	m ² /m
Per S	76.3	59.9	5440	395	8.44	0.85
Per D	152.6	119.8	31900	1525	14.46	1.69
Per T	228.9	179.7	44350	1785	13.92	2.53
Per m of wall	127.2	99.8	26590	1270	14.46	1.41

*One side, excluding inside of interlocks
 S = Single pile: considered neutral axis y'-y'
 D = Double pile: considered neutral axis y-y
 T = Triple pile: considered neutral axis y"-y"