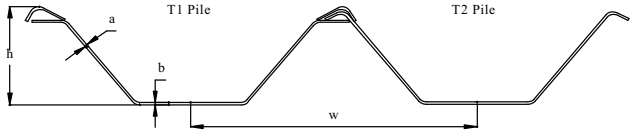
ESC A-SERIES WIDE PROFILE SHEET PILES



ESC Sheet Pile Type	Unit Width w	Dimensions a	b	h	Sectional Area Per wall Length	Unit Weight Per wall Width	Coating Area Both Sides Per wall Width	Moment of Inertia Per wall Width	Modulus of Section Per wall Width
	(m)	mm	mm	mm	cm^2/m	kg/m^2	m^2/m	cm^4/m	cm^3/m
ESC6A	1.00	4.0	4.0	449.0	68.1	53.0	3.126	17, 570	580
ESC8A	0.90	4.0	8.0	366.0	82.2	65.0	3.070	20, 680	840
ESC12A	1.10	5.0	9.0	455.0	95.8	75.0	3.029	35, 560	1210
ESC14A	1.00	5.0	9.0	485.0	104.8	82.0	3.313	43, 110	1430
ESC16A	1.20	6.0	10.0	530.0	114.0	89.0	3.096	55, 460	1640
ESC18A	1.00	6.0	12.0	499.0	129.2	101.0	3.326	55, 560	1760
ESC20A	1.25	8.0	12.0	517.0	144.6	114.0	2.998	67, 650	2000
ESC22A	1.20	8.0	13.0	539.0	153.2	120.0	3.124	76, 750	2250
ESC25A	1.50	8.0	14.0	603.0	155.4	122.0	2.988	101,310	2510
ESC30A	1.40	9.0	14.0	631.0	176.4	139.0	3.190	125, 020	3060
ESC32A	1.40	10.0	14.0	637.0	189.8	149.0	3.190	133, 600	3260
ESC36A	1.60	10.0	16.0	712.0	192.8	152.0	3.116	167,430	3620
ESC40A	1.50	10.0	15.0	761.0	197.8	155.0	3.325	186, 920	3990
ESC46A	1.50	12.0	20.0	764.0	246.2	189.0	3.325	227,390	4610
ESC50A	1.50	12.0	24.0	762.0	259.2	203.0	3.327	252, 280	5020

Description:
'U' shape fully interlocking light gauge wide profile sheet pile, fitted with angle clutch mechanism. Nominal width 900 to 1500mm

Characteristics:
Mostly a light Sheet Pile, suitable for all earth pressures although the thickness of materials is generally lighter than most sheet piles
Clutch mechanism provides effective cutoff in most soils
Suited for most soil types between soft and firm
Suitable for permanent and temporary works and low reuse situations depending on the Type. For example:
an ESC8A with a core thickness of 4mm and a flange thickness of 8mm will have a very low reuse capability. However, an ESC32A with a core thickness of 10mm and a flange thickness of 14mm will naturally have a better reuse capability. Of course, the cient must in turn establish the necessary section modulus that the project rquires and choose accordingly...taking into consideration Engineering and Commercial Requirements.

Recommended Applications:
Drains/Canals
Low embankments
Coffer Dams
Shallow excavations
River Works
Pipelines

Driving Characteristics:

Item	Parameter	Value
1	Optimal Soil Type	Soft-Firm
2	Maximum Driving Length	12.0 metres up to ESC8A but upward to 24 metres for ESC12A onwards.
3	Maximum internal corner angle*+	77 degrees
4	Maximum external corner angle *+	8 degrees

Notes:
* Angle refers to deviation off straight driving line
*+ If required angle exceeds allowance, a corner pile should be used
1 Sheet pile properties based on effective section design as per BS5950-1998 Part 5. Section can develop full yield stress without onset of panel buckling
2 Computation of modulus considers bending in both directions. Lowest resulting value selected.

All sheet piles are available in S235, S275 and S355 steel. Grades such as S240, S270, S320, S390, S430 and other grades can be available upon request.

For assistance in selecting the correct sheet pile for your application or custom designing your own sheet pile, please contact one of our representatives. Sheet pile specification sheets are to be used by experienced designers. It is recommended that users refer to ESC for free assistance in correct sheet pile selection.