

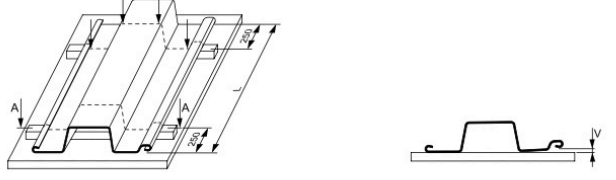


Sheet piling steel grades for cold-formed sheet piles conforming to EN 10 249-1

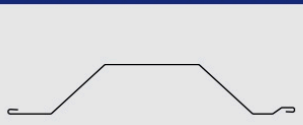
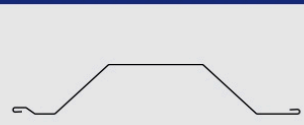


American						European				
ASTM	Yield Strength		ASTM	Yield Strength		EN 10249	Yield Strength		Tensile strength	Minimum elongation
	ksi	MPa		ksi	MPa		ksi	MPa		
A572 Gr. 50	50	345	A588	50	345	S 235 JRC	34	235	360	26
A572 Gr. 55	55	380	A690 Gr. 50	50	345	S 275 JRC	40	275	410	23
A572 Gr. 60	60	415	A490 Gr. 60	60	415	S 355 J0C	51	355	470	22
A572 Gr. 65	65	450								

Mechanical proportions according to EN 10025 – 2:2004. Other steel grades on request.

Deviation limits and dimensional tolerances for cold-formed sheet piles made of unalloyed steels conforming to EN 10 249-2

Pile width	Single piles $\pm 2\%$; double piles $\pm 3\%$
Wall thicknesses	The thickness is indicated in table 3 of the EN 10 051.
Height	h: up to 200 mm ± 4 mm; over 200 up to 300 mm ± 6 mm; over 300 up to 400 mm ± 8 mm; over 400 mm ± 10 mm.
Deviation from straightness S	The longitudinal deviation from straightness S, must not exceed 0,25 % of the pile length. 
Deviation from straightness C	The longitudinal deviation from straightness C, must not exceed 0,25 % of the pile length. 
Torsion V	The Size V must not exceed $\pm 0,2\%$ of the pile length, with a maximum of 100 mm. 
Pile length	Sheet pile lengths are permitted to deviate by + 5 in. and - 0 in. (± 50 mm) from the ordered lengths.
Cut	Cut at right angles to the longitudinal axis. The total deviation between the highest and lowest points in the cutting plane, measured on a single pile along the longitudinal axis, must not exceed 2 % of the pile width.
Weight	The tolerance between the arithmetic weight (according to section tables) and weighed weight of the total consignment must be within $\pm 2.5\%$ ($\pm 7\%$).

Available types

IBO	Shape 1 standard	Shape 2 (on request)	MKU	Shape 1 standard	Shape 2 (on request)
					
VKZ	Position A Single	Position B Single	Shape 1 standard	Shape 2 (on request)	
	