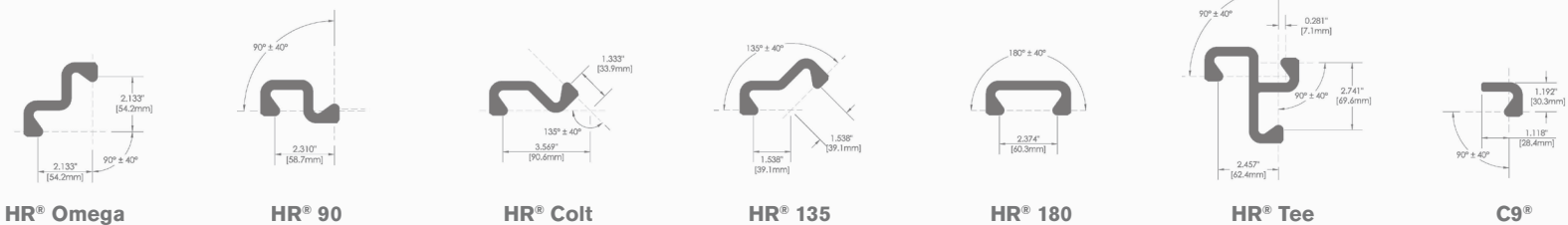


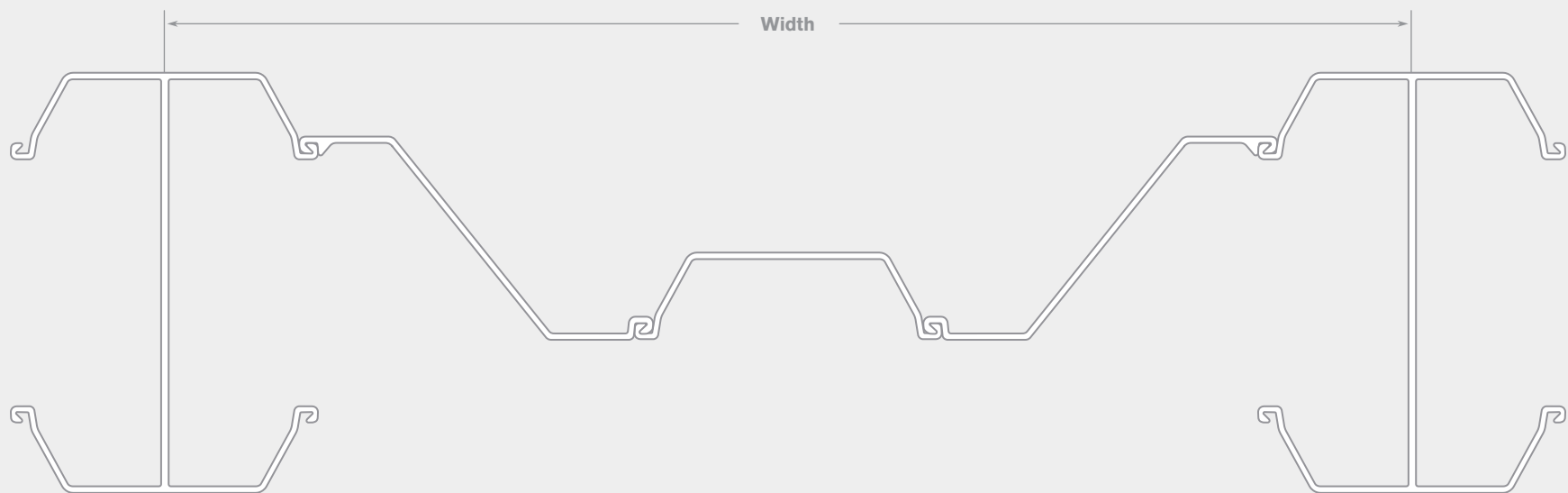


PilePro[®] Sheet Pile Connectors



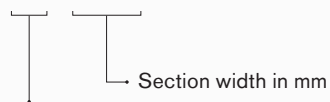


Configuration A



SECTION NAME:

69 - 2740



Section modulus (elastic) in $\text{cm}^3/\text{m} \div 100$

These are examples from a large variety of possible IZ[®] solutions.

Please configure your own system on sheet-pile.com/iz

Sheet Pile LLC is the owner and assignee of numerous patents and IP, that may be related to this sheet pile solution.

Section	Solution Type	Section Modulus	Width	Weight at Ratio			Moment of Inertia	Coating Area	Configuration
				60%	80%	100%			
		in³/ft (cm³/m)	in (mm)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	lb/ft² (kg/m²)	in⁴/ft (cm⁴/m)	ft²/ft (m²/m)	
28-2740	IZ®	52.5	107.9	26.1	29.5	32.9	859.2	32.55	A13
		2823	2740	127.6	144.2	160.8	117330.4	9.92	
30-2740	IZ®	56.5	107.9	28.2	31.6	35	924.3	32.81	A17
		3037	2740	137.6	154.2	170.8	126224.8	10	
32-2600	IZ®	59.3	102.4	27.6	31.2	34.8	969.8	32.61	A1
		3186	2600	134.6	152.2	169.8	132429.3	9.94	
34-2600	IZ®	63.5	102.4	29.7	33.3	36.9	1038.4	32.87	A5
		3412	2600	145.2	162.7	180.3	141802.7	10.02	
38-2740	IZ®	71	107.9	27.9	31.3	34.7	1502.3	34.15	A14
		3816	2740	136	152.6	169.2	205145.7	10.41	
39-2740	IZ®	72	107.9	27.9	31.3	34.7	1540.5	34.22	A15
		3869	2740	136.4	153	169.6	210366.8	10.43	
40-2740	IZ®	74.9	107.9	33.3	36.7	40.1	1226.3	33.04	A21
		4029	2740	162.5	179.1	195.7	167464.6	10.07	
42-2600	IZ®	77.8	102.4	29.4	33	36.6	1647.4	34.22	A2
		4185	2600	143.5	161	178.6	224973.2	10.43	
42-2600	IZ®	78.8	102.4	29.5	33.1	36.7	1687.7	34.28	A3
		4239	2600	143.9	161.5	179	230475.4	10.45	
42-2740	IZ®	77.3	107.9	29.9	33.3	36.7	1636.3	34.42	A18
		4157	2740	146	162.6	179.2	223457.7	10.49	
42-2740	IZ®	78.4	107.9	30	33.4	36.8	1678.8	34.48	A19
		4217	2740	146.4	163	179.6	229249.2	10.51	
45-2600	IZ®	82.9	102.4	35.1	38.7	42.3	1356.7	33.1	A9
		4457	2600	171.4	189	206.5	185263	10.09	
45-2600	IZ®	84.5	102.4	31.5	35.1	38.7	1788.8	34.48	A6
		4544	2600	154	171.6	189.1	244271.2	10.51	
46-2600	IZ®	85.7	102.4	31.6	35.2	38.8	1833.5	34.55	A7
		4605	2600	154.5	172	189.6	250374.5	10.53	

* Length of the intermediate section as percent of the outer section length(s), intermediate sheet pile length is typically 60% to 80% of the length of the outer sections or IZ®.

Section	Solution Type	Section Modulus	Width	Weight at Ratio			Moment of Inertia	Coating Area	Configuration
				60%	80%	100%			
		in ³ /ft (cm ³ /m)	in (mm)	lb/ft ² (kg/m ²)	lb/ft ² (kg/m ²)	lb/ft ² (kg/m ²)	in ⁴ /ft (cm ⁴ /m)	ft ² /ft (m ² /m)	
48-2740	IZ [®]	88.3	107.9	29.3	32.7	36.1	2226.1	35.5	A16
		4750	2740	143	159.6	176.3	303996.4	10.82	
51-2600	IZ [®]	95.7	102.4	30.9	34.5	38.1	2410.3	35.56	A4
		5143	2600	150.9	168.5	186	329146.6	10.84	
52-2740	IZ [®]	96.8	107.9	31.3	34.7	38.1	2439.6	35.73	A20
		5205	2740	153	169.6	186.3	333147.1	10.89	
55-2740	IZ [®]	102.6	107.9	35	38.4	41.8	2170.8	34.61	A22
		5514	2740	170.9	187.5	204.1	296439.6	10.55	
56-2600	IZ [®]	104.6	102.4	33.1	36.7	40.3	2635.3	35.79	A8
		5623	2600	161.4	179	196.6	359867	10.91	
56-2740	IZ [®]	104	107.9	35.1	38.5	41.9	2226.6	34.71	A23
		5593	2740	171.3	187.9	204.5	304065.5	10.58	
60-2600	IZ [®]	111.1	102.4	36.9	40.5	44.1	2352	34.68	A10
		5974	2600	180.2	197.8	215.4	321182.9	10.57	
61-2600	IZ [®]	112.6	102.4	37	40.6	44.2	2410.8	34.78	A11
		6055	2600	180.7	198.2	215.8	329219.4	10.6	
69-2740	IZ [®]	127.9	107.9	36.4	39.8	43.2	3222.6	35.96	A24
		6876	2740	177.9	194.5	211.1	440074.2	10.96	
74-2600	IZ [®]	137.3	102.4	38.4	42	45.6	3460.4	36.02	A12
		7384	2600	187.7	205.2	222.8	472551.6	10.98	

* Length of the intermediate section as percent of the outer section length(s), intermediate sheet pile length is typically 60% to 80% of the length of the outer sections or IZ[®].

Specifications

When using steel sheet pile, it is necessary to make allowances for deviations from theoretical exactness. The degree of precision obtainable in the production of sheet pile is limited by the basic character of the rolling processes and normal limitations of mill equipment. Care must be taken during installation to assure that each element is being set at the desired driving dimension.

- Dimensions typically shown are nominal.
- Actual thicknesses vary due to mill rolling practices; however, permitted variations for such dimensions are not addressed.
- Interlocks should be reasonably free-sliding when threaded.
- Terms, tolerance, dimensions, and delivery conditions are in accordance with EN 10248 and/or ASTM A6.
- Welding is in accordance with AWS D1.1.

	AMERICAN ASTM A 6		EUROPEAN EN 10248
Mass	5%	-2.5%	± 5%
Length	+ 5in.	-0 in.	± 200mm
Height			± 7mm
Thickness			± 0.5mm for ≤ 8.5mm ± 6% for > 8.5mm
Width Interlocked			± 3%
Straightness			0.2% of the length
Ends ou of Square			2% of the width

Available Steel Grades

AMERICAN			CANADIAN			EUROPEAN		
ASTM	YIELD STRENGTH		CSA G40.21	YIELD STRENGTH		EN 10248	YIELD STRENGTH	
	(ksi)	(MPa)		(ksi)	(MPa)		(ksi)	(MPa)
A 328	39	270	Grade 260 W	38	260	S 240 GP	35	240
A 572 Grade 42	42	290	Grade 300 W	44	300	S 270 GP	39	270
A 572 Grade 50	50	345	Grade 355 W	50	350	S 320 GP	46	320
A 572 Grade 55	55	380	Grade 400 W	58	400	S 355 GP	51	355
A 572 Grade 60	60	415				S 390 GP	57	390
A 572 Grade 65*	65	450				S 430 GP	62	430
A 588 Grade 50	50	345				S 450 GP*	65	450
API 5L x70	70	485						
ASTM A 690 MARINER®	50	345						

ENGINEERING DISCLAIMER

This publication contains information on the properties of hot-rolled sheet pile based on accepted engineering practices related to sheet pile products and projects. The use of the data contained herein must be supplemented with qualified professional judgment.

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