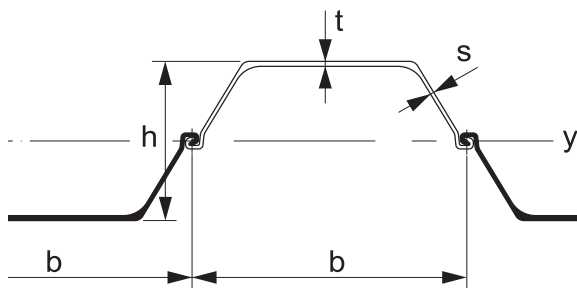


# Steel Sheet Piling - Hot Rolled U Sections (1 of 2)



The traditional U profile has been in used worldwide for over 90 years.

- Proven qualities of the Larsen interlock
- A wide range of sections with varying characteristics to facilitate design optimization
- The symmetrical form of the single pile makes these convenient for re-use
- Assembling and crimping piles into pairs reduces interlock shear reduction factors and provides installation efficiencies
- Improved corrosion performance with increased steel thickness at the critical corrosion points

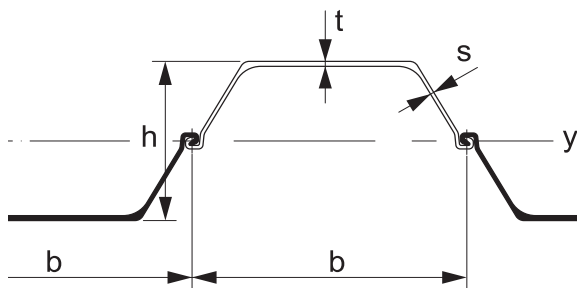
Section	Width b mm	Height h mm	Thickness		Sectional Area cm <sup>2</sup> /m	Coating Area* m <sup>2</sup> /m of Wall	Mass		Section Modulus** cm <sup>3</sup> /m	Moment of Inertia** cm <sup>4</sup> /m
			t mm	s mm			kg/m Single Pile	kg/m <sup>2</sup> of Wall		
<b>GU Sections</b>										
GU 6N	600	309	6.0	6.0	89	1.26	41.9	70	625	9670
GU 7N	600	310	6.5	6.4	94	1.26	44.1	74	675	10450
GU 7S	600	311	7.2	6.9	100	1.26	46.3	77	740	11540
GU 8N	600	312	7.5	7.1	103	1.26	48.5	81	770	12010
GU 8S	600	313	8.0	7.5	108	1.26	50.8	85	820	12800
GU 13N	600	418	9.0	7.4	127	1.41	59.9	100	1270	26590
GU 14N	600	420	10.0	8.0	136	1.41	64.3	107	1400	29410
GU 15N	600	422	11.0	8.6	146	1.41	68.7	115	1530	32260
GU 16N	600	430	10.2	8.4	154.2	1.43	72.6	121	1670	35950
GU 18N	600	430	11.2	9.0	163	1.43	76.9	128	1800	38650
GU 20N	600	430	12.2	9.5	172.3	1.43	81.1	135.2	1920	41320
GU 21N	600	450	11.1	9.0	174	1.49	81.9	137	2060	46380
GU 22N	600	450	12.1	9.5	183	1.49	86.1	144	2200	49460
GU 23N	600	450	13.1	10.0	192	1.49	90.4	151	2335	52510
GU 27N	600	452	14.2	9.7	207	1.54	97.4	162	2680	60580
GU 28N	600	454	15.2	10.1	216	1.54	101.8	170	2840	64460
GU 30N	600	456	16.2	10.5	226	1.54	106.2	177	3000	68380
GU 31N	600	452	18.5	10.6	233	1.52	109.9	183	3065	69210
GU 32N	600	452	19.5	11.0	242	1.52	114.1	190	3200	72320
GU 33N	600	452	20.5	11.4	251	1.52	118.4	197	3340	75410
GU 16-400	400	290	12.7	9.4	197	1.60	62.0	155	1560	22580
GU 18-400	400	292	15.0	9.7	221	1.60	69.3	173	1785	26090
<b>AU Sections</b>										
AU 14	750	408	10.0	8.3	132	1.27	77.9	104	1405	28680
AU 16	750	411	11.5	9.3	147	1.27	86.3	115	1600	32850
AU 18	750	441	10.5	9.1	150	1.33	88.5	118	1780	39300
AU 20	750	444	12.0	10.0	165	1.33	96.9	129	2000	44440
AU 23	750	447	13.0	9.5	173	1.36	102.1	136	2270	50700
AU 25	750	450	14.5	10.2	188	1.36	110.4	147	2500	56240
<b>PU-R Sections</b>										
PU 10R***	600	360	8.0	7.0	114	1.35	53.8	90	1055	18960
PU 13R***	675	400	10.0	7.4	124	1.32	65.6	97	1285	25690

\* One side excluding inside of interlocks

\*\* Quoted figures for U sections represent the fully developed section modulus and moment of inertia. Designers should ensure full shear transfer in the interlock or consider appropriate project specific interlock shear reduction factors. Additional information is available from our engineering team.

\*\*\* Profile no longer manufactured

Note: • Corner sections with Larsen interlocks suitable for these profiles can be supplied



The traditional U profile has been in used worldwide for over 90 years.

- Proven qualities of the Larsen interlock
- A wide range of sections with varying characteristics to facilitate design optimization
- The symmetrical form of the single pile makes these convenient for re-use
- Assembling and crimping piles into pairs reduces interlock shear reduction factors and provides installation efficiencies
- Improved corrosion performance with increased steel thickness at the critical corrosion points

Section	Width b mm	Height h mm	Thickness		Sectional Area cm <sup>2</sup> /m	Coating Area* m <sup>2</sup> /m of Wall	Mass		Section Modulus** cm <sup>3</sup> /m	Moment of Inertia** cm <sup>4</sup> /m
			t mm	s mm			kg/m Single Pile	kg/m <sup>2</sup> of Wall		
<b>PU Sections</b>										
PU 12	600	360	9.8	9.0	140	1.32	66.1	110	1200	21600
PU 12 10/10	600	360	10.0	10.0	148	1.32	69.6	116	1255	22580
PU 18 <sup>1</sup>	600	430	10.2	8.4	154	1.43	72.6	121	1670	35950
PU 18	600	430	11.2	9.0	163	1.43	76.9	128	1800	38650
PU 22 <sup>1</sup>	600	450	11.1	9.0	174	1.49	81.9	137	2060	46380
PU 22	600	450	12.1	9.5	183	1.49	86.1	144	2200	49460
PU 28 <sup>1</sup>	600	452	14.2	9.7	207	1.54	97.4	162	2680	60580
PU 28	600	454	15.2	10.1	216	1.54	101.8	170	2840	64460
PU 32	600	452	19.5	11.0	242	1.52	114.1	190	3200	72320
<b>PU-J Sections</b>										
PU 10J	600	260	10.3	-	131.2	-	61.7	103	1028	13362
PU 18J	600	360	13.4	-	173.2	-	81.6	136	1809	32560
PU 27J	600	420	18.0	-	225.5	-	106.0	177	2702	56751

\* One side excluding inside of interlocks

\*\* Quoted figures for U sections represent the fully developed section modulus and moment of inertia. Designers should ensure full shear transfer in the interlock or consider appropriate project specific interlock shear reduction factors.

\*\*\* Profile no longer manufactured

Note: • Corner sections with Larsen interlocks suitable for these profiles can be supplied