



## U Sheet Pile Technical Data

Ivor King (C.E.C) Ltd is one of the UK's leading multi-disciplined piling specialists providing bespoke design and installation services to the UK civil engineering industry. We permanently hold stock of over 3,000 tonnes of hot rolled U and Z pile sections at our centrally located Warwickshire headquarters and together with our steel suppliers we can offer a wide range of size, weight and grade of steel in both new mill certified piles and excellent quality used stock.

Our sheet piles can be sold and / or bought back or hired dependent upon the temporary or permanent nature of the design solution.

Our wholly owned and operated heavy haulage capability means that we can quickly mobilise throughout the UK.

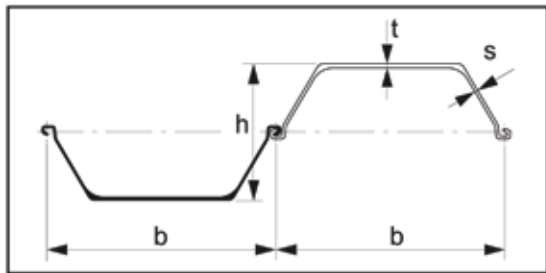


To receive a comprehensive sales or hire quotation please contact our Hire & Sales Coordinator, Beth Murdock.

☎ 024 7639 7272

✉ beth.murdock@ivorking.co.uk

🌐 www.ivorking.co.uk



U Pile Technical Drawing

### Engineering Advantages of using U steel sheet pile sections:

- High strength to weight ratio with excellent degree of water-tightness and corrosion resistance
- High section modulus leading to reduced deflections
- Comprehensive range of heavy section profiles, interlocking options and lengths available up to 18m long
- Good driving properties - can be used with various methods of installation and specialist plant offering flexibility and commercial benefits
- Our sheet piles are available in grade S270 and high grades S355 – S490 with mill certificates available on request
- Product tolerances are all independently certified and comply with BS EN 10248 Part 2 quality assurance

U Section Type	Width Single Pile B in mm	Depth Wall H in mm	Mass Single Pile kg / m	Elastic Section Modulus
AU14	750	408	77.9	1 405
AU16	750	411	86.3	1 600
AU18	750	441	88.5	1 780
AU20	750	444	96.9	2 000
AU23	750	447	102.1	2 270
AU25	750	450	110.4	2 500
PU12	600	360	66.1	1 200
PU12S	600	360	71.0	1 260
PU18-1	600	430	72.6	1 670
PU18	600	430	76.9	1 800
PU18+1	600	430	81.1	1 920
PU22-1	600	450	81.9	2 060
PU22	600	450	86.1	2 200
PU22+1	600	450	90.4	2 335
PU28-1	600	452	97.4	2 680
PU28	600	454	101.8	2 840
PU28+1	600	456	106.2	3 000
PU32-1	600	452	109.9	3 065
PU32	600	452	114.1	3 200
PU32+1	600	452	118.4	3 340
GU 6N	600	309	41.9	625
GU 7N	600	310	44.1	675
GU 7S	600	311	46.3	740
GU 7HWS	600	312	47.4	745
GU 8N	600	312	48.5	770
GU 8S	600	313	50.8	820
GU 10N	600	316	55.8	995
GU 11N	600	318	60.2	1 095
GU 12N	600	320	64.6	1 200
GU 13N	600	418	59.9	1 270
GU 14N	600	420	64.3	1 400
GU 15N	600	422	68.7	1 530
GU 16N	600	430	72.6	1 670
GU 18N	600	430	76.9	1 800
GU 20N	600	430	81.1	1 920
GU 21N	600	450	81.9	2 060
GU 22N	600	450	86.1	2 200
GU 23N	600	450	90.4	2 335
GU 27N	600	452	97.4	2 680
GU 28N	600	454	101.8	2 840
GU 30N	600	456	106.2	3 000
GU 31N	600	452	109.9	3 065
GU 32N	600	452	114.1	3 200
GU 33N	600	452	118.4	3 340
GU 16 - 400	400	290	62.0	1 560
GU 18 - 400	400	292	69.3	1 785



## U Sheet Pile Technical Data continued...

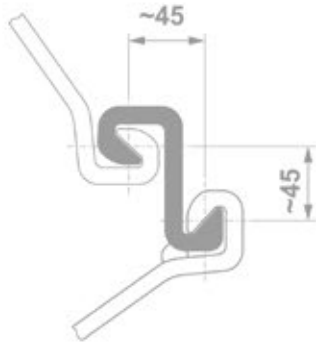
### Additional Interlocking or Corner Junction Clutch Bars

Special corner interlocking U Sections make it possible to form corner junction piles without using fabricated special piles. Various corner sections are available for applications where fully enclosed cofferdams are required, offering the advantage of greater water / fine material retention. The use of corner sections will result in specific excavation dimensions depending on the combination of piles / corner sections used. All corner sections are fixed to the sheet pile in accordance with EN 12063.

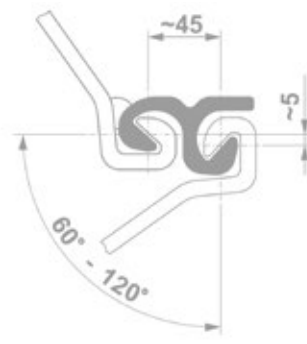
**C 9**  
Mass = 9.3kg/m



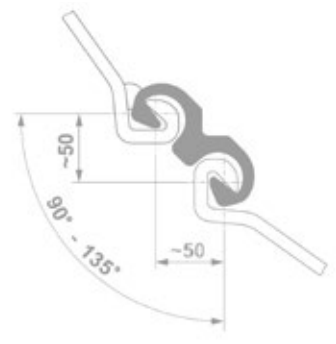
**C 14**  
Mass = 14.4kg/m



**DELTA 13**  
Mass = 13.1kg/m



**OMEGA 18**  
Mass = 18.0kg/m



We are able to advise customers of exact cofferdam dimensions by using our Sheet Pile Configuration Software that enables us to calculate cofferdam size for combined pile junction projects. Please contact our Hire Controller or Design Team on 024 7639 7272 for further advice.



If you're looking for the best piling solution for your construction project, and you want to work with a successful organisation you can trust to deliver the service quality you have promised your client – then you've found the right people. We have the proven track record and experience to undertake any piling project, offering an integrated multi-disciplined service to create and transform a design into reality for all your piling requirements.

Steel Sheet Piling -  
including sales and hire of  
U & Z sheet pile sections

Bored Piling Solutions

Driven Piling Solutions

Kingpost and Combination Walls

Inland waterways and  
Marine Piling Solutions

Temporary and  
Permanent Piling  
Solutions

Wholly owned and operated  
modern plant and leading edge  
piling equipment - including the  
unique GIKEN silent piler

In house technical design  
service offering advice  
and guidance throughout  
the project lifecycle

Wholly owned and operated fleet  
of heavy haulage, abnormal and  
lorry loading vehicles, enabling  
quick and efficient mobilisation

BS EN ISO 9001 / 14001 / BS  
OHSAS 18001 certification -  
your assurance of our quality  
services

Convenience and total  
peace of mind - make one  
simple call and we'll take  
care of your whole project

Established independent  
family business with over 40  
years industry experience

The sale and or hire of our sheet piles and piling equipment is subject to your agreement of our Terms and Conditions of business. For details please contact our Hire Control department.

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